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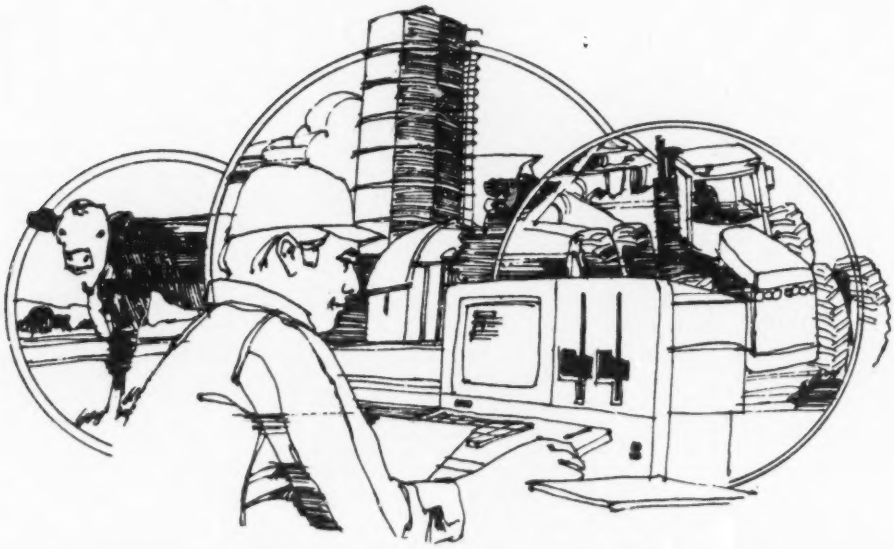

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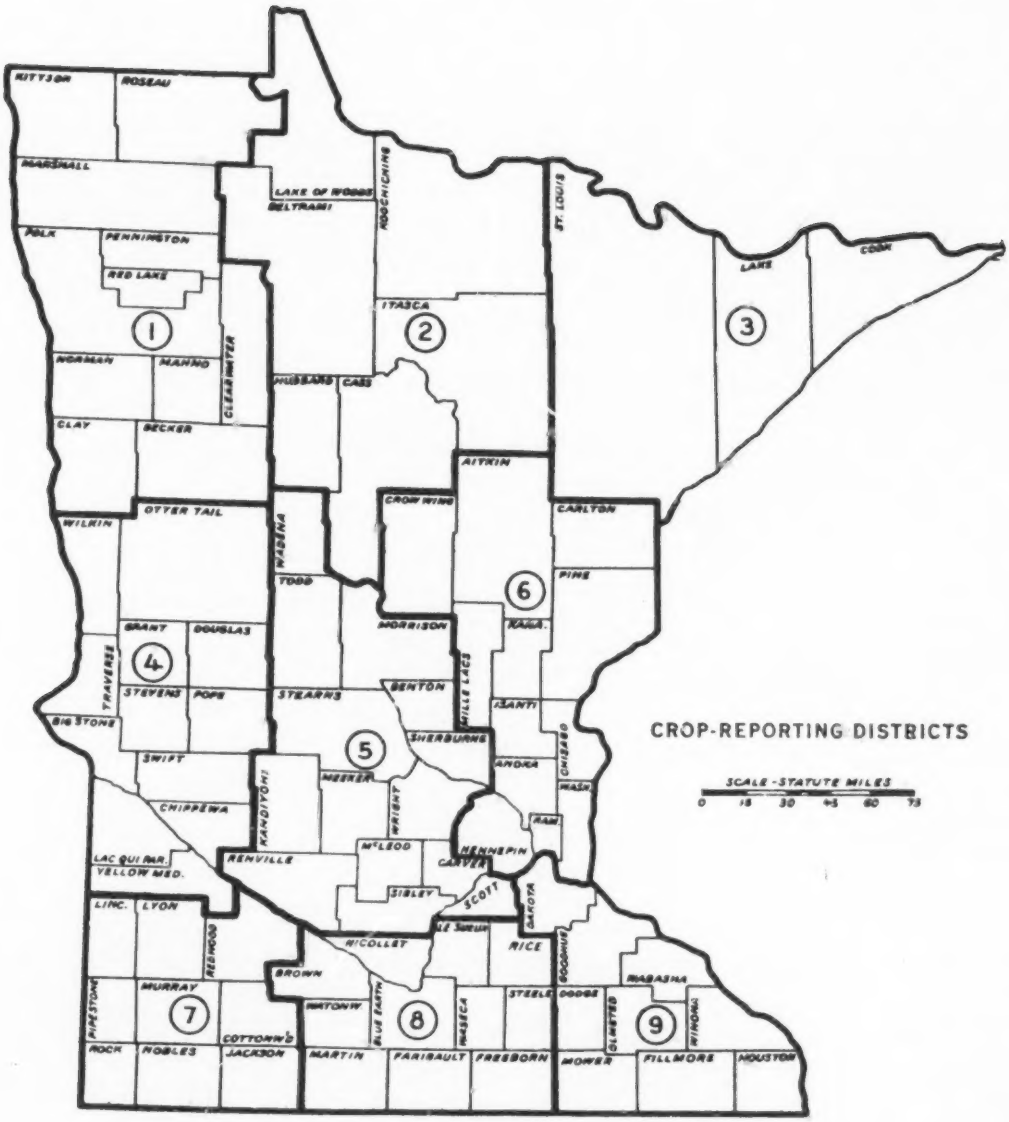
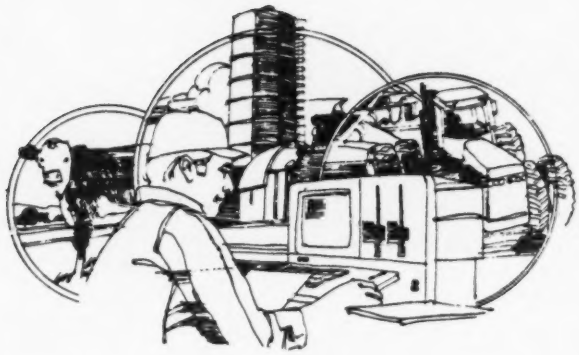


Note: The cover photo and most of the photos inside this book were contributed by the Winona Daily News, Winona, Minnesota.

FOREWORD



1982 was certainly not a year that farmers would like to repeat. However it is a year that needs to be recorded.

This 5th-leading agricultural state lost 2,000 family farms. Crop producers, "blessed" by the 2nd highest harvest on record, fell into one of the worst cost-price squeezes in Minnesota history. Farm commodity prices were the lowest in a half-century overall on the parity index. You now hold in your hands the book of statistics to document this very difficult year. Hopefully, this information will provide some help in making future years more optimistic.

Today's farmers are managing bigger enterprises and running higher risks than their fathers. The "margin of error" has narrowed to the point where the availability of reliable information is crucial to any successful farming operation. We are determined to continue providing you with that information.

This book was "written" by Minnesota farmers. All of the data is based on their voluntary cooperation in surveys done by the Minnesota Ag Statistics Service, supplemented with information from Minnesota's vital agri-businesses. Thanks to its "authors", MINNESOTA AGRICULTURAL STATISTICS 1983 marks the 61st year this book has been published.

Jim Nichols
Commissioner

Carroll Rock
Agricultural Statistician In Charge

PRODUCTION ASSISTANCE ON THIS BOOK WAS PROVIDED BY: Linda Wright, Editor; Cec Foss and Aggie Moser, Crops; Sy Phillippi and Eileen Thurman, Livestock; and Andrea Hughes-Whaley, Design Composition.

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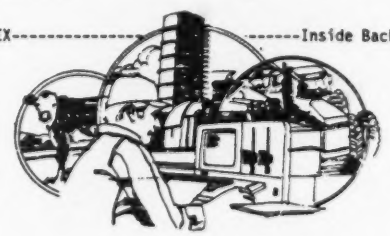
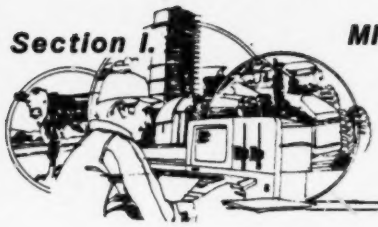




Section I. MINNESOTA'S RANK, NUMBER OF FARMS, FARM INCOME, EXPORTS, CLIMATIC SUMMARY

Rankings

MINNESOTA'S RANK AMONG STATES

Item	1	2	3	4	5	6	7	8	9	10
Number of Farms, June 1, 1982.....	TX	IA	MO	IL	MN	KY	TN	OH	WI	NC
Cash Farm Income, 1982:										
Total.....	CA	IA	TX	IL	MN	NE	KS	WI	IN	FL
Crops.....	CA	IL	IA	TX	FL	MN	NE	IN	NC	KS
Livestock and Livestock Products...	IA	TX	CA	WI	NE	MN	KS	MO	IL	PA
Crop Production, 1982										
Corn for Grain.....	IA	IL	IN	NE	MN	OH	WI	MI	MO	SD
Soybeans.....	IL	IA	MO	IN	MN	OH	AR	MS	NE	LA
All Wheat.....	KS	ND	OK	MT	TX	WA	MN	NE	SD	ID
Other Spring Wheat.....	ND	MN	MT	SD	ID	WA	OR	CO	UT	WI
Oats.....	SD	MN	ND	IA	WI	MI	NE	OH	PA	NY
Barley.....	ND	MT	ID	MN	WA	CA	SD	CO	OR	UT
All Sunflowers.....	ND	MN	SD	TX						
All Hay.....	WI	SD	MN	IA	NE	CA	TX	MO	KS	ND
All Potatoes.....	ID	WA	ME	WI	CA	OR	ND	CO	MN	NY
Sugarbeets.....	MN	CA	ID	ND	MI	NE	CO	MT	WY	TX
Flaxseed.....	ND	SD	MN							
Rye.....	SD	ND	MN	GA	NE	OK	MI	SC	NC	TX
Sweet Corn for Processing.....	MN	WI	WA	OK	IL	ID	NY	MD	DE	PA
Green Peas for Processing.....	WI	WA	MN	OR	NY	DE	MD			
Dry Edible Beans.....	MI	CA	NE	ID	ND	CO	MN	WA	NY	WY
Livestock, Dairy and Poultry:										
Red Meat Production, 1982.....	IA	NE	TX	KS	IL	MN	CA	CO	MI	MO
Cattle & Calves, 1/1/83.....	TX	NE	IA	KS	MO	OK	CA	WI	SD	MN
Milk Cows, 1/1/83.....	WI	CA	NY	MN	PA	MI	OH	IA	TX	MO
Cattle & Calves on Feed, January 1, 1983.....	TX	NE	KS	IA	CO	CA	IL	MN	AZ	SD
Cattle & Calves Marketed, 1982	TX	NE	KS	IA	OK	CA	CO	MO	MN	SD
Hogs, December 1, 1982 1/.....	IA	IL	IN	MN	MO	NE	NC	OH	KS	SD
Pig Crop, 1982.....	IA	IL	MN	IN	NE	MO	NC	OH	KS	WI
Hogs, Marketed, 1982.....	IA	IL	MN	IN	NE	MO	OH	NC	KS	WI
Stock Sheep & Lambs, Jan. 1, 1983.[2/]	TX	WY	CA	SD	NM	MT	UT	CO	ID	OR
Lamb Crop, 1982 3/.....	TX	CA	WY	SD	ID	MT	UT	CO	NM	OR
All Chickens, December 1, 1982 4/.	CA	GA	AR	IN	PA	NC	AL	TX	FL	OH
Eggs, Produced, Dec 1981-Nov 1982 4/	CA	GA	IN	PA	AR	TX	NC	FL	AL	OH
Turkeys Raised during 1982.....	NC	MN	CA	AR	MO	VA	IA	IN	WI	PA
Milk Production, 1982.....	WI	CA	NY	MN	PA	MI	OH	IA	TX	WA
Dairy Products Manufactured during 1982:										
Total Cheese.....	WI	MN	NY	CA	IA	ID	MO	PA	IL	VT
American Cheese.....	WI	MN	ID	IA	CA	NY	UT	MO	SD	IN
Butter.....	WI	CA	MN	PA	WA	MI	NY	OH	MO	TN
Nonfat Dry Milk.....	CA	MN	WI	MI	IA	PA	NY	OH	SD	ID
Ice Cream.....	CA	PA	NY	TX	OH	MA	IL	MN	FL	MI
AG Exports Fiscal, 1982.....	IL	IA	CA	TX	MN	NE	KS	IN	MO	ND

1/ MO and NE tied for 5th place. 2/ Minn. ranks 13th. 3/ Minn. ranks 12th. 4/ Minn. ranks 11th.

MINNESOTA'S LEADING AGRICULTURAL COUNTIES 1/

Item	1	2	3	4	5	6	7	8	9	10
CASH FARM INCOME, 1981:										
Total.....	Polk	Stearns	Renville	Martin	Redwood	O. Tail	Marshall	Nobles	Jackson	Freeborn
Crops.....	Polk	Marshall	Renville	Clay	Redwood	Martin	Norman	Bl. Earth	Freeborn	Faribaul
Livestock.....	Stearns	O. Tail	Fillmore	Nobles	Rock	Kandiyohi	Goodhue	Martin	Lyon	Winona
Gov't Payments	Polk	Marshall	B. Earth	Norman	Kittson	Clay	Roseau	Wilkin	Penn.	O. Tail
1982 CROP PRODUCTION:										
Corn for Grain	Martin	B. Earth	Redwood	Renville	Faribault	Jackson	Freeborn	Mower	Fillmore	Stearns
Soybeans.....	Renville	Redwood	Jackson	Martin	B. Earth	Faribault	Cottonwood	Nobles	Y. Med.	Lyon
All Wheat.....	Polk	Marshall	Kittson	Norman	Clay	Roseau	Wilkin	Traverse	LQ Parle	Grant
Oats.....	O. Tail	Stearns	Douglas	Pope	Todd	Roseau	Kandiyohi	Marshall	Lincoln	Wright
Barley.....	Polk	Norman	Marshall	Wilkin	Clay	Kittson	Becker	Mahnomen	Roseau	Penn.
Sugarbeets....	Polk	Clay	Wilkin*	Renville*	Norman	Chippewa	Marshall	Kittson	Kandiyohi	Grant
Sunflowers....	Norman	Polk	Wilkin	Clay	Traverse	Roseau	Becker	Penn.	Marshall	Swift

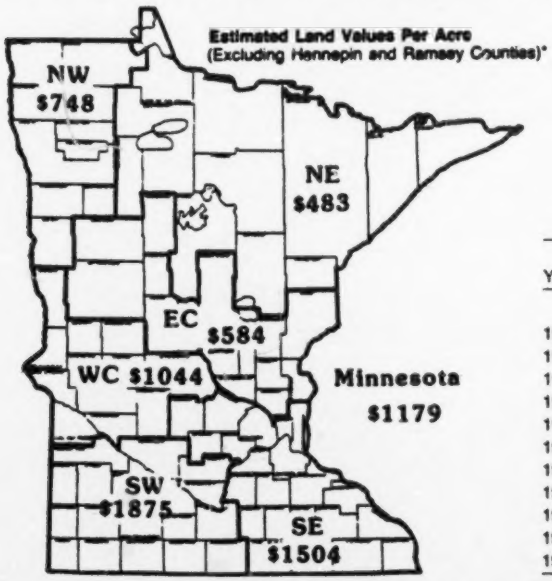
1/ County estimates for livestock, dairy, and poultry discontinued due to state budget restrictions.
*Tied for 3rd place.

Land Values

Minnesota farmland is very different from one part of the state to the next and so the value of farmland is different for various parts of the state. According to the University of Minnesota's annual land value survey, farmland values across most of the state dropped sharply last year.

On the average, Minnesota farmland was going for an average of $1,179 per acre, a 10% drop from 1981. The cash grain districts of western Minnesota showed anywhere from an 8 to a 10% decline. The east central part of Minnesota showed the biggest drop in value, a loss of 14%. The southeast was next with a 12% drop. (By the way, in 1979 and 1980, these 2 districts showed the smallest percentage increase and in 1982 they had the greatest decline.)

In dollar terms, the southwest district again led the state in average value of an acre of farmland, at $1,875 per acre. A year earlier, however, the southwest averaged over $2,000 per acre. Farmland values in northwest Minnesota fell from $813 per acre in 1981 to $748 in 1982.



Who was selling farmland last year? According to the University, one-third of all farmland sales in 1982 were by farmers who retired. The second most frequent reason given was to reduce the size of the farmer's present operation, a reason most often cited in the southeast and southwest.

Estimated Average Value per Acre of Farmland, by District, Minnesota, 1972-82 *

Years	Southeast	Southwest	West-Central	East-Central	Northwest	Northeast	Minnesota
			Dollars per Acre				
1972	370	379	208	163	117	76	248
1973	433	459	247	194	146	115	298
1974	576	675	378	279	199	144	423
1975	674	844	503	296	295	163	525
1976	856	1106	624	349	378	210	667
1977	1027	1316	730	415	427	279	794
1978	1191	1421	803	498	483	304	889
1979	1453	1620	883	573	599	368	1040
1980	1526	1750	962	596	683	390	1120
1981	1709	2083	1135	679	813	460	1310
1982	1504	1875	1044	584	748	483	1179

*From MINNESOTA AGRICULTURAL ECONOMIST, January 1983, Agricultural Extension Service, University of Minnesota, St. Paul, MN, 55108, "The Minnesota Rural Real Estate Market In 1982", by M.G. Smith and P.M. Raup. Values are based on reporters' estimate of average value per acre of various grades of farmland in their area.

Farm Numbers

Minnesota Farm Numbers Land in Farms, and Average Farm Size 1/

Year	Number of Farms	Land in Farms	Average Size of Farms
	Number	Thousand Acres	Acres
1978	104,000	30,000	288
1979	104,000	30,000	288
1980	104,000	30,000	288
1981	105,000	30,400	290
1982	103,000	30,400	295

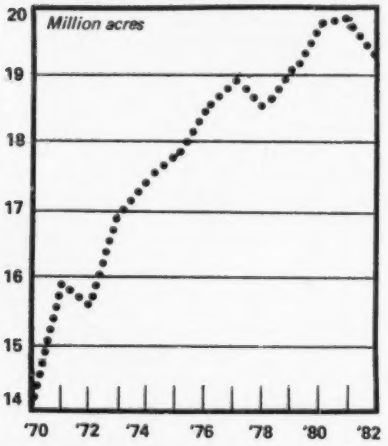
1/ Farms are defined as places which had annual sales of agricultural products of $1,000 or more.

An estimated 103,000 farms were in operation during 1982, down 2,000 farms from 1981. The states's total land in farms remained the same as 1981, at 30.4 million acres. However, average farm size increased 5 acres from 290 acres in 1981 to 295 in 1982.

The number of farms in the United States in 1982 is estimated at 2.40 million, down from 2.43 million in 1981. The decrease was general throughout all regions of the U.S.

Total land in farms was 1.039 million acres for 1982, down just slightly from 1981. The average farm size increased from 428 in 1981 to 433 acres in 1982.

Planted Acres, 10 Major Minnesota Cash Crops*

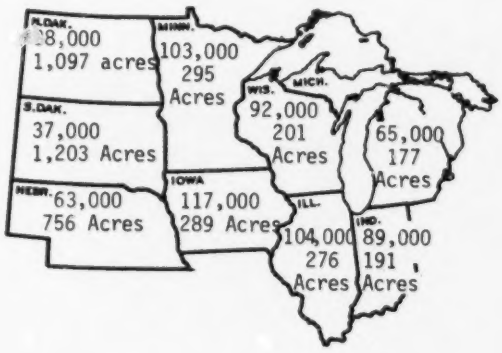


*Corn, soybeans, all wheat, oats, barley, rye, sunflowers, flax, sugarbeets, dry beans.

Estimated Number of Farms in 1983

United States

2,400,260 Farms
433 Acres per Farm



Minnesota Livestock Farm Numbers 1/

Year	Number of Operations with --			
	Cattle	Milk Cows	Hogs	Sheep
1978	66,000	28,000	31,000	8,000
1979	63,000	27,000	33,000	8,000
1980	62,000	27,000	35,000	8,000
1981	62,000	26,000	30,000	8,000
1982	60,000	26,000	24,000	8,600

1/ Some operations may have more than one species hence sum is greater than total farms.

Minnesota Farm Income

The following farm income estimates show gross farm income, farm production expenses, and net returns to farm operators for their farm work (including unpaid family) and for the capital invested in their farms and equipment.

Realized gross farm income includes cash receipts from farm marketings, government payments to farmers, value of farm products consumed in the home, value of housing provided by farm dwellings, and other farm income from recreation, machine hire, and custom work. Subtracting farm production expenses from realized gross income gives the realized net farm income, The total net income includes adjustments for increases or decreases in crop or livestock inventories.

TOTAL MINNESOTA FARM INCOME

Year	Realized Gross Farm Income					Farm Production Expenses	Realized Net Farm Income	Net Change In Farm Inventories 3/	Total Net Farm Income
	Cash Receipts From Farm Marketings	Government Payments	Non-Money Income 1/	Other Farm Income 2/	Total				
	Million Dollars					Million Dollars			
1978	4,934.3	164.3	499.6	46.3	5,644.5	4,191.8	1,452.7	70.3	1,523.0
1979	5,536.7	68.4	572.6	58.3	6,236.0	4,918.0	1,318.0	250.1	1,568.2
1980	6,600.9	69.6	681.9	58.3	7,410.8	5,726.9	1,683.9	-297.9	1,386.0
1981	6,912.1	79.1	808.8	73.1	7,873.0	6,303.8	1,569.3	172.6	1,741.9
1982 4/	6,651.5	--	--	--	--	--	--	--	--

1/ Includes value of home consumption and housing.
2/ Includes income from custom work, machine hire, and recreation.
3/ Estimated physical change in crops and livestock owned by farmers, valued at average prices prevailing during the year.
4/ Detailed data not available at time of publication.

MINNESOTA AVERAGE INCOME PER FARM 1/

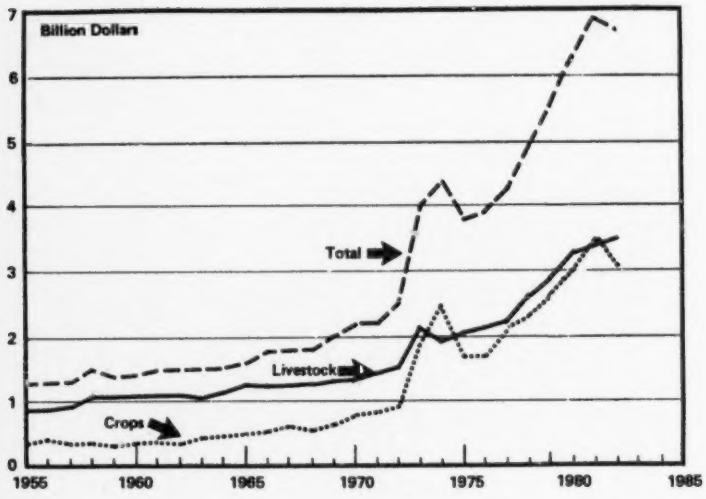
Year	Number of Farms	Cash Receipts From Farm Marketings	Realized Gross Income	Farm Production Expenses	Realized Net Income	Total Net Income
	Thousands	Dollars				
1978	104	47,445	54,274	40,306	13,968	14,644
1979	104	53,238	59,962	47,288	12,674	15,079
1980	104	63,470	71,258	55,067	16,191	13,327
1981	105	65,830	74,981	60,036	14,945	16,590
1982 2/	103	64,578	--	--	--	--

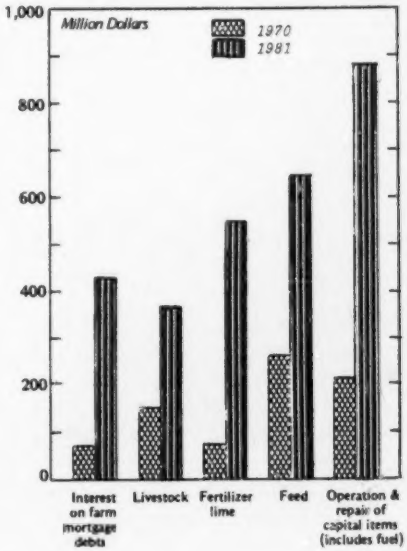
1/ Average per farm having sales of $1,000 or more.
2/ Detailed data not available at time of publication.

Minnesota Cash Receipts

Falter After A Large Harvest.....

.....And Farm Expenses Kept Climbing...

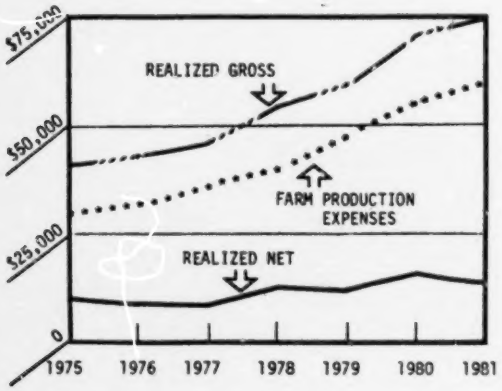




.....Causing

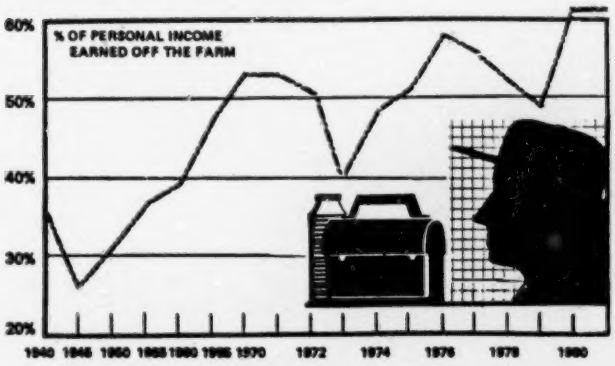
A Drop

In Minnesota Farmers' Net Income



U.S. Farmers Now Earn More Than 60%

Of Their Income Away From Their Farms



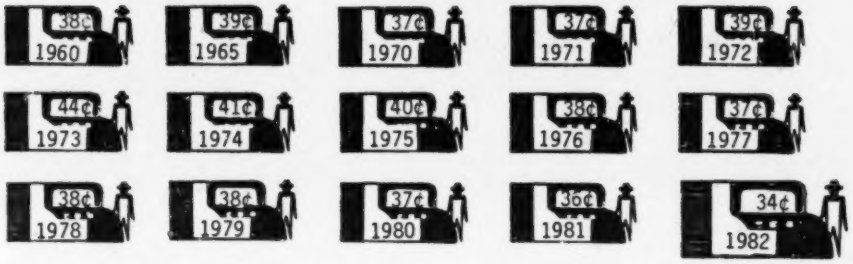
(Includes all income received by farm residents from nonfarm sources such as wages and salaries from nonfarm employment, nonfarm business and professional income, rents from nonfarm real estate, dividends, interest, royalties, unemployment compensation, and Social Security payments.)

FARMER'S SHARE OF FOOD DOLLAR LOWEST SINCE DEPRESSION

Getting food from the farm to the consumer is progressively costing far more than it cost to produce food in the first place.

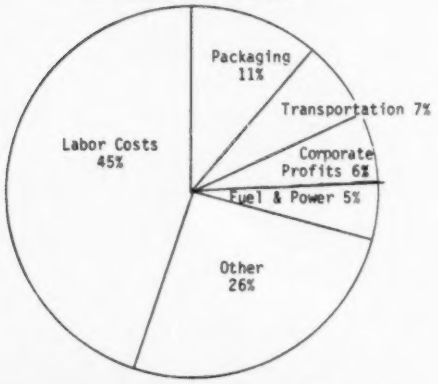
In 1982, the farmer's share of the food dollar dropped to 34¢. This share was the lowest since the Depression years of 1931-1934.

Farmers' Share of the Food Dollar, United States



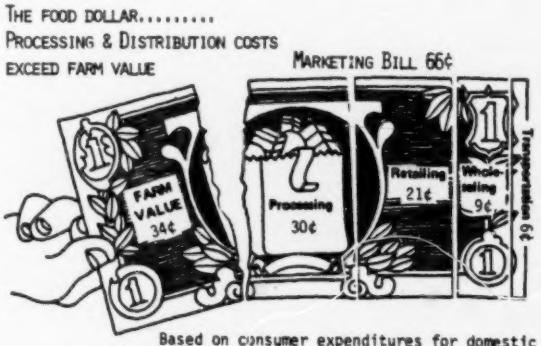
The other 66¢ is the "marketing bill". This share increased 1¢ from 1981 due entirely to increases in the retail sector. The share claimed by processing dropped 1¢ from 1981 to 30¢ in 1982; transportation and wholesaling charges remained unchanged while the retailing share increased 2¢ to 21¢.

LABOR TAKES THE "LION'S SHARE" OF FOOD MARKETING COSTS*



*Transporation is intercity rail and truck. Corporate profits are before taxes. "Other" includes business taxes, promotion, hired local transportation, insurance, advertising, rent, depreciation, interest, repairs, etc. 1982 Preliminary.

THE FOOD DOLLAR..... PROCESSING & DISTRIBUTION COSTS EXCEED FARM VALUE



Based on consumer expenditures for domestic farm foods from U.S. retail food stores, 1982.

FARM EXPORTS A BOON TO STATE'S ECONOMY

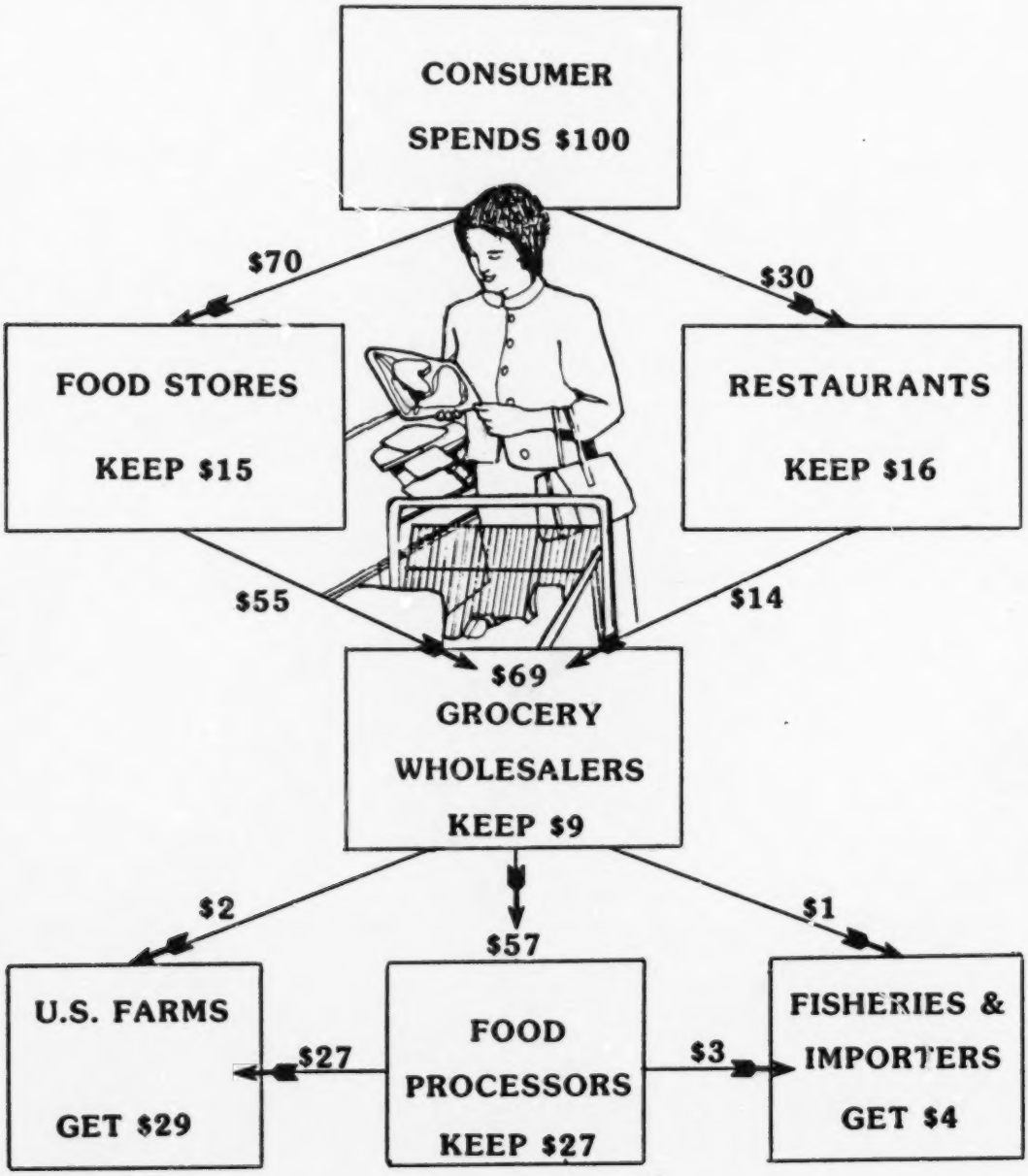
1982 Minnesota Ag Exports Worth Almost $2 Bil.

Based on Minnesota's farm output, the state's ag exports rang up to nearly $2 billion in fiscal year 1982.

Shown at the right is the value of these exports by commodity group. These export shares are derived from Minnesota's contribution to U.S. production and/or sales. They are not actual exports but reflect Minnesota's important stake in the national export total.

FEEDGRAINS	$595 Mil.
SOYBEANS & products	$587 Mil.
WHEAT & products	$323 Mil.
SUNFLOWER SEEDS and oil	$91 Mil.
DAIRY PRODUCTS	$55 Mil.
VEGETABLES	$49 Mil.
LIVE ANIMAL & MEAT (excluding poultry)	$49 Mil.
HIDES & SKINS	$34 Mil.
FATS, OILS & GREASES	$26 Mil.
POULTRY	$13 Mil.
OTHERS	$61 Mil.
TOTAL	$1,883 Mil.

HERE'S WHAT HAPPENS TO EVERY $100 YOU SPEND ON FOOD

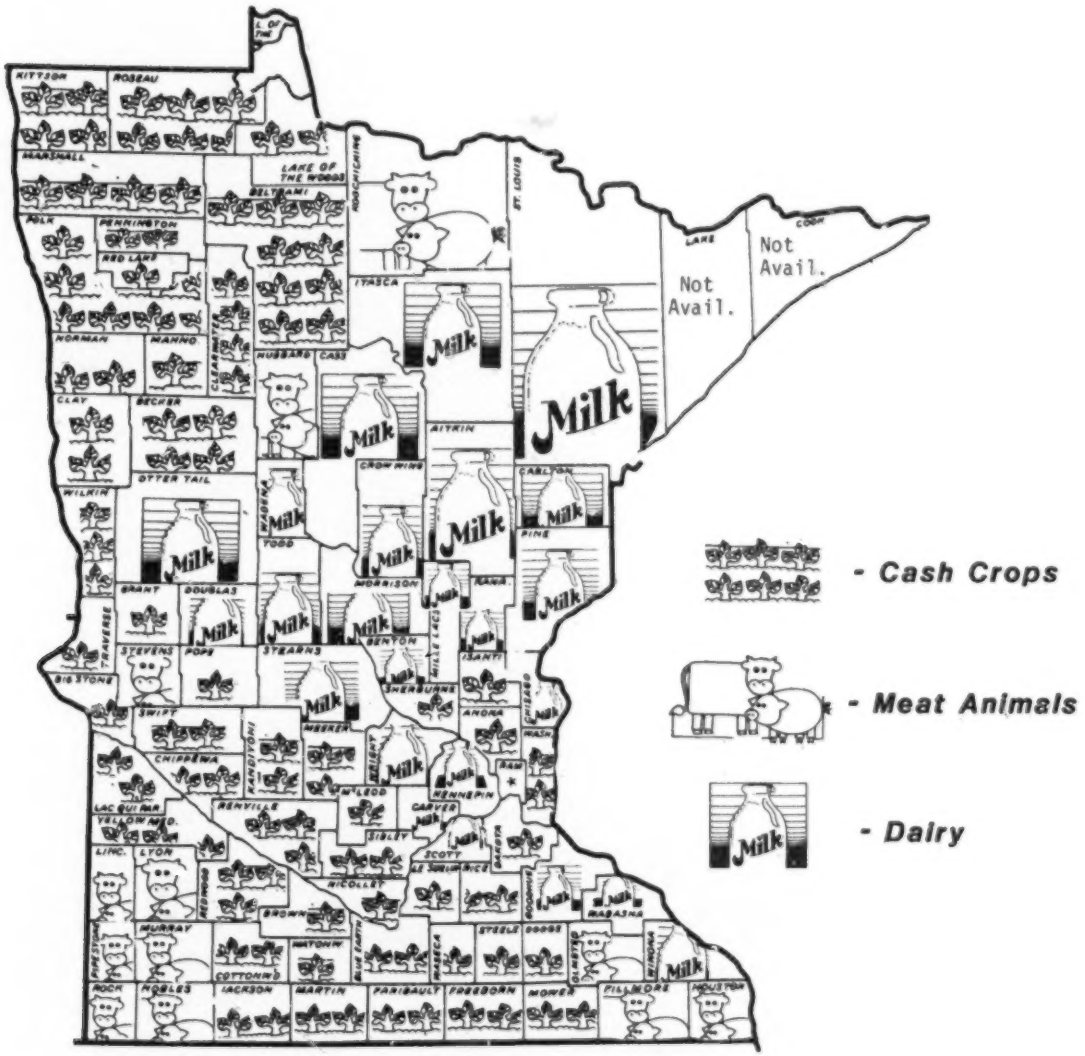


MINNESOTA CASH RECEIPTS FROM FARM MARKETINGS

Commodity	1979 1/		1980 1/		1981	
	Dollars	Percent Of Total 2/	Dollars	Percent Of Total 2/	Dollars	Percent Of Total 2/
	000	Percent	000	Percent	000	Percent
CROPS :						
FEED CROPS						
Corn	675,527	12.2	976,580	14.8	1,193,430	17.3
Oats	51,015	0.9	56,496	0.9	74,703	1.1
Barley	73,375	1.3	101,780	1.5	104,128	1.5
Hay	44,815	0.8	38,403	0.6	61,653	0.9
FOOD GRAINS						
Wheat	421,670	7.6	464,351	7.0	550,890	8.0
Rye	4,216	0.1	4,113	0.1	6,417	0.1
OIL CROPS						
Soybeans	873,674	15.8	1,119,533	17.0	970,332	14.0
Flaxseed	14,219	0.3	10,909	0.2	8,760	0.1
Sunflowers	128,578	2.3	167,357	2.5	105,481	1.5
VEGETABLE CROPS						
Potatoes	41,337	0.7	60,738	0.9	82,045	1.2
Sweet Corn (Processing)	26,258	0.5	27,425	0.4	32,852	0.5
Green Peas (Processing)	24,512	0.4	19,088	0.3	20,118	0.3
Dry Beans	10,990	0.2	21,763	0.3	28,728	0.4
All Seed Crops 3/	13,636	0.2	7,404	0.1	7,480	0.1
Apples	2,605	*	3,764	0.1	4,365	*
Sugarbeets	120,268	2.2	159,686	2.4	198,362	2.9
Greenhouse and Nursery	33,373	0.6	35,070	0.5	38,218	0.6
Forest Products	3,658	0.1	3,658	0.1	3,658	*
Other Crops & Vegetables 4/	27,295	0.5	33,425	0.5	30,021	0.4
TOTAL CROPS	2,591,021	46.8	3,311,543	50.2	3,521,641	50.9
LIVESTOCK PRODUCTS :						
MEAT ANIMALS						
Cattle and Calves	922,904	16.7	1,048,616	15.9	948,166	13.7
Hogs	660,372	11.9	732,598	11.1	792,788	11.5
Sheep and Lambs	11,602	0.2	11,408	0.2	11,120	0.2
DAIRY PRODUCTS 5/	1,026,838	18.5	1,174,340	17.8	1,307,395	18.9
POULTRY AND EGGS						
Turkeys	165,756	3.0	167,790	2.5	152,658	2.2
Turkey Eggs	17,760	0.3	19,581	0.3	22,160	0.3
Broilers	22,951	0.4	26,627	0.4	30,476	0.4
Farm Chickens	1,087	*	1,025	*	1,792	*
Eggs	88,285	1.6	82,579	1.3	101,400	1.5
Honey and Beeswax	9,002	0.1	7,867	0.1	5,384	0.1
Wool	1,372	*	1,453	*	1,576	*
Miscellaneous Other Livestock & Products 6/	17,776	0.3	15,505	0.2	15,498	0.2
TOTAL LIVESTOCK	2,945,705	53.2	3,289,389	49.8	3,390,413	49.1
TOTAL ALL CROPS AND LIVESTOCK	5,536,726	100.0	6,600,932	100.0	6,912,054	100.0

1/ Revised. 2/ Percents may not add due to method of machine computation. 3/ Kentucky Bluegrass, red clover, timothy, and other seeds. 4/ Asparagus, green lima beans, snap beans, cabbage, onions, carrots, cucumbers, miscellaneous vegetables, mushrooms, other fruits and field crops. 5/ Virtually all of this total is for wholesale milk. Less than 1% is for retail milk and milkfat. 6/ Mink, goats, horses, mules, ducks, geese, and other livestock. *Less than .05%.

COMMODITY GROUPS WHICH ACCOUNTED FOR THE MAJORITY OF COUNTY FARM CASH RECEIPTS IN 1981



*Ramsey county's major receipts come from nursery and greenhouse products.

SOURCE: BUREAU OF ECONOMIC ANALYSIS, U.S. DEPARTMENT OF COMMERCE, WASHINGTON, D.C.

MINNESOTA CASH INCOME RECEIVED BY FARMERS, BY COUNTY

District and County	1980				1981			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	Thousand Dollars				Thousand Dollars			
Northwest Dist. 1								
Becker	27,707	40,869	310	68,886	29,445	42,576	1,532	73,553
Clay	110,745	22,805	1,215	134,765	117,623	22,681	3,595	143,899
Clearwater	6,401	12,670	314	19,385	6,790	12,851	500	20,141
Kittson	78,278	5,315	5,813	89,406	83,117	5,222	3,675	92,014
Mahnomen	15,662	9,555	436	25,653	16,629	9,857	1,087	27,573
Marshall	136,096	11,344	9,604	157,044	144,507	11,331	4,870	160,708
Norman	89,929	19,178	1,681	110,788	95,490	19,181	3,774	118,445
Pennington	32,740	11,209	1,595	45,544	34,764	11,416	1,738	47,918
Polk	209,545	24,233	1,048	234,826	222,497	24,531	5,971	252,999
Red Lake	23,634	7,416	1,108	32,158	25,094	7,602	1,447	34,143
Roseau	51,447	18,749	4,905	75,101	54,626	19,269	2,428	76,323
Total	782,184	183,343	28,029	993,556	830,582	186,517	30,617	1,047,716
North Central Dist. 2								
Beltrami	5,586	8,464	357	14,407	5,916	8,627	685	15,228
Cass	2,640	10,469	161	13,270	2,801	10,751	380	13,932
Hubbard	2,672	6,580	167	9,419	2,833	6,692	248	9,773
Itasca	2,129	4,133	69	6,331	2,244	4,207	178	6,629
Koochiching	1,283	2,713	49	4,045	1,357	2,620	116	4,093
Lake of the Woods	6,426	2,292	182	8,900	6,824	2,258	336	9,418
Total	20,736	34,651	985	56,372	21,975	35,155	1,943	59,073
Northeast Dist. 3								
Cook	--	--	--	--	--	--	--	--
Lake	141	199	18	358	150	192	8	350
St. Louis	3,325	8,812	43	12,180	3,559	9,235	220	13,014
Total	3,466	9,011	61	12,538	3,709	9,427	228	13,364
West Central Dist. 4								
Big Stone	26,421	21,742	698	48,861	28,062	21,587	1,383	51,032
Chippewa	56,557	30,924	694	88,175	60,111	30,884	1,546	92,541
Douglas	16,309	43,547	528	60,384	17,325	46,107	636	64,068
Grant	29,720	19,850	441	50,011	31,557	20,115	1,410	53,082
Lac Qui Parle	60,576	37,221	1,061	98,858	64,322	37,091	1,353	102,766
Otter Tail	45,043	112,124	536	157,703	47,851	117,978	1,705	167,534
Pope	29,869	40,414	632	70,915	31,738	41,816	765	74,319
Stevens	41,874	55,865	581	98,320	44,462	53,435	1,240	99,137
Swift	63,784	52,317	1,380	117,481	67,747	52,881	1,091	121,719
Traverse	29,533	16,574	378	46,485	31,358	16,200	1,657	49,215
Wilkin	51,551	12,246	836	64,633	54,741	12,601	2,292	69,634
Yellow Medicine	69,137	47,376	1,080	117,593	73,420	47,195	1,150	121,765
Total	520,374	490,200	8,845	1,019,419	552,694	497,890	16,228	1,066,812
Central Dist. 5								
Benton	6,873	35,088	166	42,127	7,297	37,221	191	44,709
Carver	13,934	50,451	211	64,596	14,843	54,030	202	69,075
Kandiyohi	51,214	83,991	1,369	136,574	54,473	86,475	1,448	142,396
McLeod	38,875	56,627	401	95,903	41,466	59,990	337	101,793
Meeker	38,589	60,578	476	99,643	41,079	63,543	543	105,165
Morrison	10,230	61,327	166	71,723	10,861	65,244	245	76,350
Renville	133,410	62,266	1,699	197,375	142,101	62,430	1,371	205,902
Scott	17,324	32,488	193	50,005	18,444	34,231	431	53,106
Sherburne	15,999	14,362	188	30,549	17,012	15,007	248	32,267
Sibley	58,547	65,097	683	124,327	62,396	68,167	489	131,052
Stearns	28,222	169,503	751	198,476	30,020	179,979	563	210,562
Todd	15,345	62,327	214	77,886	16,295	66,495	192	82,982
Wadena	5,072	21,906	153	27,131	5,392	22,988	163	28,543
Wright	22,680	60,575	208	83,463	24,107	64,449	287	88,843
Total	456,314	836,586	6,878	1,299,778	485,786	880,249	6,710	1,372,745

MINNESOTA CASH INCOME RECEIVED BY FARMERS, BY COUNTY, (CONTINUED)

District and County	1980				1981			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	Thousand Dollars				Thousand Dollars			
East Central Dist. 6								
Aitkin	3,309	13,804	65	17,178	3,502	14,376	116	17,994
Anoka	9,878	10,730	135	20,743	10,716	11,109	69	21,894
Carlton	1,995	9,438	135	11,568	2,128	10,006	210	12,344
Chisago	9,396	20,066	258	29,720	10,011	20,877	245	31,133
Crow Wing	2,516	9,087	89	11,692	2,678	9,485	123	12,286
Hennepin	19,268	21,237	100	40,605	20,740	22,372	70	43,182
Isanti	11,865	15,364	368	27,597	12,599	16,006	318	28,923
Kanabec	3,358	18,325	77	21,760	3,565	19,236	89	22,890
Mille Lacs	4,878	27,427	52	32,357	5,179	29,123	100	34,402
Pine	4,909	29,828	167	34,904	5,214	31,690	148	37,052
Ramsey	3,955	225	0	4,180	4,314	227	0	4,541
Washington	18,989	19,700	141	38,830	20,396	19,865	254	40,515
Total	94,316	195,231	1,587	291,134	101,042	204,372	1,742	307,156
Southwest Dist. 7								
Cottonwood	67,093	60,764	854	128,711	71,261	59,598	727	131,586
Jackson	78,183	76,596	666	155,445	83,020	75,091	493	159,604
Lincoln	24,816	42,832	601	68,249	26,355	42,475	437	69,267
Lyon	48,181	82,368	1,635	132,184	51,163	80,385	944	132,492
Murray	54,467	77,524	958	132,949	57,834	76,140	701	134,675
Nobles	59,128	96,610	1,336	157,074	62,790	95,682	682	159,154
Pipestone	22,597	50,250	734	73,581	23,994	49,610	465	74,069
Redwood	96,913	75,673	968	173,554	103,045	74,512	837	178,394
Rock	33,986	92,155	738	126,879	36,086	89,142	359	125,587
Total	485,364	654,772	8,490	1,148,626	515,548	642,635	5,645	1,163,828
South Central Dist. 8								
Blue Earth	87,460	46,991	1,272	135,723	92,952	47,416	3,874	144,242
Brown	53,426	65,886	662	119,974	56,850	67,082	978	124,910
Faribault	83,435	58,053	960	142,448	88,924	58,308	335	147,567
Freeborn	84,361	62,389	1,034	147,784	89,721	64,616	887	155,224
LeSueur	40,645	39,814	927	81,386	43,277	41,143	493	84,913
Martin	91,835	82,646	1,259	175,740	97,656	82,203	805	180,664
Nicollet	46,888	42,808	960	90,656	49,869	44,229	553	94,651
Rice	33,273	54,722	503	88,498	35,373	57,546	1,070	93,989
Steele	39,799	44,499	847	85,145	42,371	46,776	589	89,736
Waseca	53,481	28,751	832	83,064	56,886	30,096	771	87,753
Watonwan	53,156	36,269	493	89,918	56,495	36,744	422	93,661
Total	667,759	562,828	9,749	1,240,336	710,374	576,159	10,777	1,297,310
Southeast Dist. 9								
Dakota	40,087	38,752	522	79,361	42,872	39,744	661	83,277
Dodge	39,286	43,434	818	83,538	42,063	45,183	750	87,996
Fillmore	35,853	102,781	601	139,235	38,083	105,684	771	144,538
Goodhue	34,320	80,177	743	115,240	36,648	84,340	725	121,713
Houston	7,965	62,976	276	71,217	8,488	64,582	331	73,401
Mower	59,868	62,396	718	122,982	63,674	64,078	845	128,597
Olmsted	28,909	63,301	599	92,809	30,920	65,007	280	96,207
Wabasha	18,033	52,117	433	70,583	19,315	54,618	408	74,341
Winona	16,709	74,381	259	91,349	17,868	78,766	460	97,094
Total	281,030	580,315	4,969	866,314	299,931	602,002	5,231	907,164
STATE TOTAL	3,311,543	3,546,937	69,593	6,928,073	3,521,641	3,634,406	79,121	7,235,168

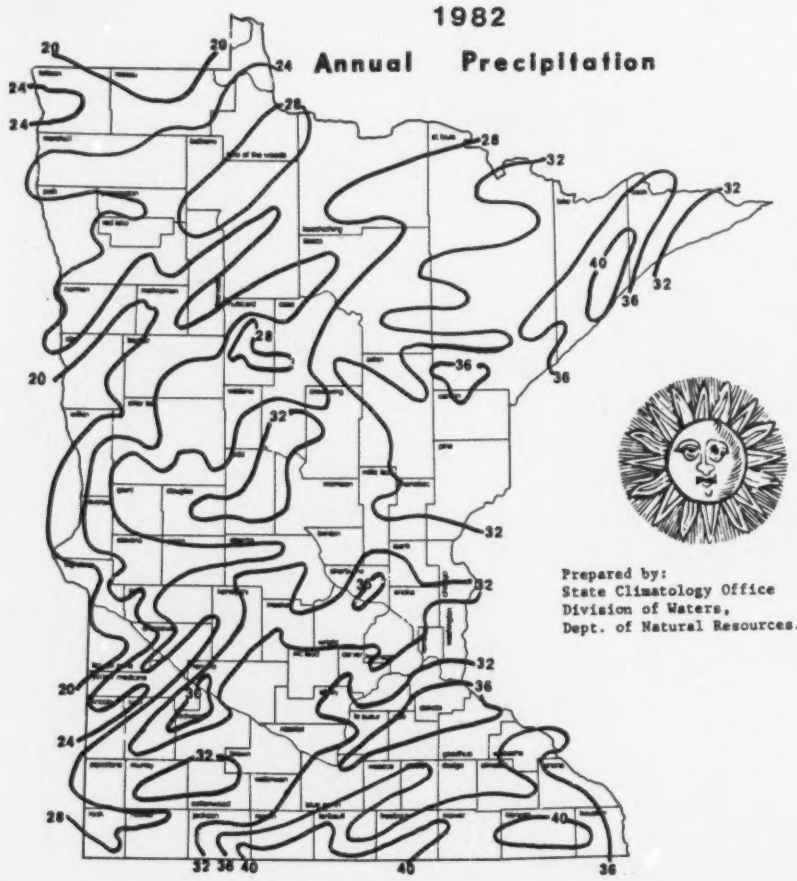
1/ Includes estimates of inter-farm and intra-state sales of livestock resulting in larger total cash receipts than shown in USDA estimates on previous pages.

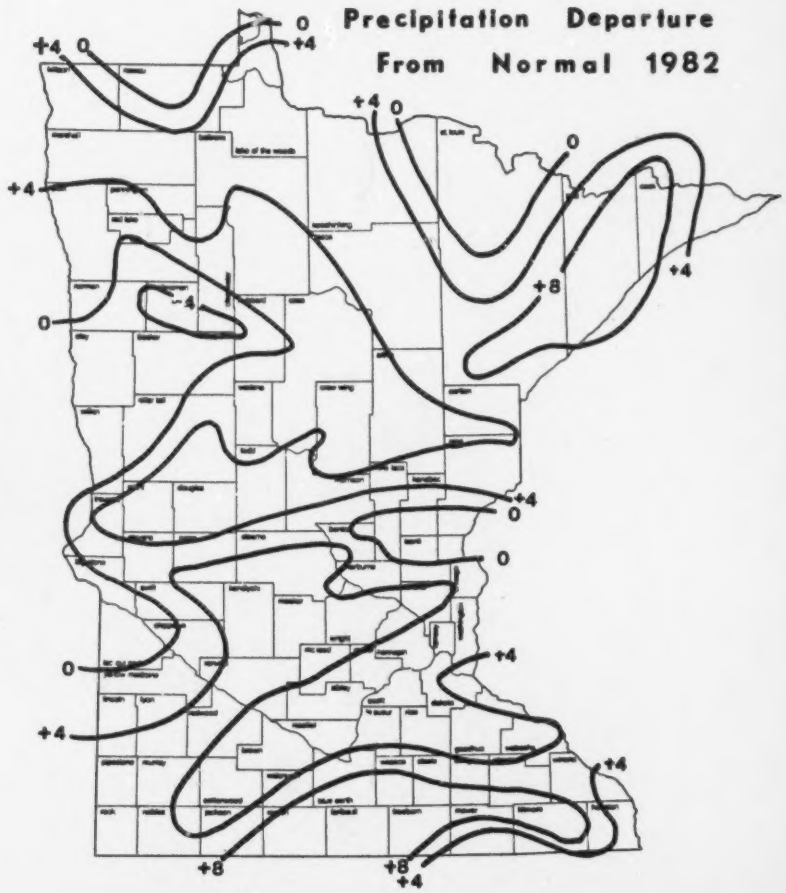
SOURCE: BUREAU OF ECONOMIC ANALYSIS, U.S. DEPT. OF COMMERCE, WASHINGTON, D.C.

Climatic Summary

Annual precipitation for 1982 for Minnesota was about 2 to 4 inches above normal across the state. The greatest amounts are generally in the southern row of counties from Jackson county east and in Lake county with more than 36 inches and a few areas with amounts greater than 40 inches. The areas with the least amounts were in general the western row of counties from Lac Qui Parle north to the Canadian border and a 40-mile-wide band extending northeast from Moorhead to the southern edge of the Red Lake and Bemidji area. Most of this area received 24 inches or less. The fall rains as a whole were much above normal.

The map on precipitation was prepared from 462 observations from 10 networks throughout the state. The greatest recorded amount was in southwest St. Louis county with 42.24 inches and the least was 18.63 inches in northeast Kittson county. The mean precipitation from all observations was 29.98 inches which is about 3 inches greater than the average for the state.



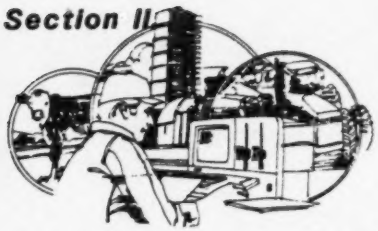


Average Frost Dates In Minnesota

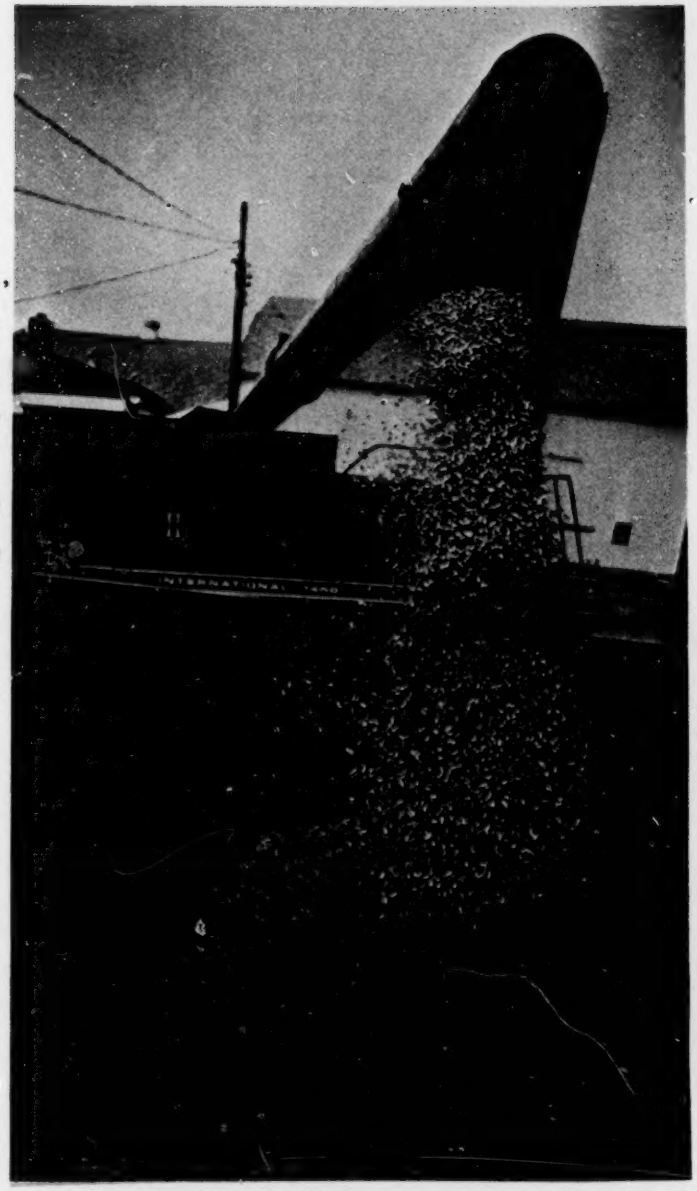
District and station	County	Average date of last temperature occurrence in spring:			Average date of first temperature occurrence in fall:			Number of days between average last spring and first fall occurrence:		
		24°F	28°F	32°F	32°F	28°F	24°F	32°F	28°F	24°F
Northwest District (1):										
Ada	Norman	APR 29	MAY 9	MAY 23	SEP 20	SEP 30	OCT 8	120	144	162
Argyle	Marshall	MAY 3	MAY 12	MAY 24	SEP 17	SEP 29	OCT 7	116	140	157
Crookston	Polk	APR 29	MAY 9	MAY 22	SEP 21	OCT 1	OCT 11	122	145	165
Detroit Lakes	Becker	APR 28	MAY 8	MAY 20	SEP 22	OCT 3	OCT 14	125	148	169
Fosston	Polk	MAY 1	MAY 10	MAY 24	SEP 16	SEP 30	OCT 9	115	143	161
Hallock	Kittson	MAY 10	MAY 16	MAY 28	SEP 15	SEP 26	OCT 2	110	133	145
Moorhead	Clay	APR 22	MAY 3	MAY 12	SEP 28	OCT 8	OCT 16	139	158	177
Red Lake Falls	Red Lake	MAY 3	MAY 14	MAY 23	SEP 16	SEP 27	OCT 7	116	136	157
Roseau	Roseau	MAY 6	MAY 16	MAY 26	SEP 13	SEP 23	OCT 6	110	130	153
Warroad	Roseau	MAY 3	MAY 12	MAY 24	SEP 19	SEP 30	OCT 9	118	141	159
North Central District (2):										
Baudette	Lake of the Woods	MAY 1	MAY 13	MAY 26	SEP 15	SEP 28	OCT 6	112	138	158
Bemidji	Beltrami	MAY 1	MAY 17	MAY 29	SEP 13	SEP 28	OCT 3	107	134	155
Big Falls	Koochiching	MAY 4	MAY 17	JUN 4	SEP 7	SEP 18	OCT 4	95	124	153
Grand Rapids	Itasca	MAY 6	MAY 17	MAY 30	SEP 9	SEP 23	OCT 3	102	129	150
Park Rapids	Hubbard	MAY 1	MAY 11	MAY 21	SEP 20	OCT 3	OCT 9	122	145	161
Northeast District (3):										
Babbitt	St. Louis	MAY 1	MAY 12	MAY 20	SEP 24	OCT 8	OCT 16	127	149	168
Duluth (Airport)	St. Louis	MAY 3	MAY 8	MAY 22	SEP 24	OCT 6	OCT 17	125	151	167
Grand Marais	Cook	APR 25	MAY 11	MAY 23	SEP 29	OCT 13	OCT 25	129	155	183
Meadowlands	St. Louis	MAY 11	MAY 20	JUN 4	AUG 31	SEP 16	OCT 2	68	119	144
Two Harbors	Lake	APR 21	MAY 3	MAY 15	OCT 5	OCT 17	OCT 31	143	167	193
Virginia	St. Louis	MAY 4	MAY 13	MAY 26	SEP 18	SEP 29	OCT 9	115	139	158
West Central District (4):										
Alexandria	Douglas	APR 19	MAY 1	MAY 12	SEP 30	OCT 8	OCT 25	141	160	189
Beardsley	Big Stone	APR 25	MAY 6	MAY 17	SEP 23	OCT 2	OCT 12	129	149	167
Campbell	Wilkin	APR 28	MAY 5	MAY 18	SEP 22	SEP 30	OCT 7	127	148	162
Canby	Yellow Medicine	APR 18	APR 29	M Y 10	OCT 2	OCT 10	OCT 22	145	164	197
Fergus Falls	Otter Tail	APR 23	MAY 2	MAY 13	SEP 25	OCT 6	OCT 18	135	157	178
Montevideo	Lac Qui Parle	APR 16	APR 28	MAY 7	OCT 1	OCT 13	OCT 24	147	168	191
Morris	Stevens	APR 23	MAY 6	MAY 15	SEP 25	OCT 2	OCT 14	133	149	174
Wheaton	Traverse	APR 24	MAY 4	MAY 10	SEP 25	OCT 3	OCT 15	138	152	172
Central District (5):										
Bird Island	Renville	APR 14	APR 27	MAY 9	SEP 30	OCT 10	OCT 22	144	166	191
Little Falls	Morrison	APR 22	APR 30	MAY 10	SEP 26	OCT 7	OCT 18	139	160	180
St. Cloud	Stearns	APR 18	APR 24	MAY 9	SEP 29	OCT 13	OCT 21	143	172	186
Wadena	Wadena	APR 27	MAY 8	MAY 22	SEP 21	SEP 30	OCT 12	122	145	168
Willmar	Kandiyohi	APR 19	APR 28	MAY 8	SEP 29	OCT 7	OCT 23	144	162	187
East Central District (6):										
Brainerd	Crow Wing	APR 24	MAY 4	MAY 16	SEP 24	SEP 30	OCT 14	131	149	173
Cambridge	Isanti	APR 20	APR 29	MAY 13	SEP 26	OCT 5	OCT 17	136	169	170
Hinckley	Pine	APR 22	MAY 4	MAY 19	SEP 24	OCT 3	OCT 14	128	152	175
Maple Plain	Hennepin	APR 16	APR 26	MAY 7	OCT 5	OCT 14	OCT 26	151	171	193
Milaca	Mille Lacs	APR 22	MAY 3	MAY 12	SEP 25	OCT 8	OCT 18	136	158	179
Moose Lake	Carlton	APR 30	MAY 15	MAY 24	SEP 13	SEP 27	OCT 13	112	135	166
Mora	Kanabec	APR 22	MAY 5	MAY 14	SEP 26	OCT 2	OCT 17	135	150	178
Southwest District (7):										
Pipestone	Pipestone	APR 20	MAY 3	MAY 9	OCT 1	OCT 9	OCT 22	145	159	185
Redwood Falls	Redwood	APR 14	APR 26	MAY 3	OCT 3	OCT 15	OCT 23	153	172	192
Tracy	Lyon	APR 17	APR 30	MAY 8	OCT 6	OCT 15	OCT 23	151	168	179
Worthington	Nobles	APR 15	APR 30	MAY 7	OCT 4	OCT 16	OCT 23	150	169	191
South Central District (8):										
Albert Lea	Freeborn	APR 6	APR 20	MAY 3	OCT 6	OCT 21	OCT 28	156	184	205
Fairmont	Martin	APR 11	APR 25	MAY 5	OCT 8	OCT 18	OCT 27	156	176	199
Faribault	Rice	APR 17	APR 27	MAY 6	OCT 5	OCT 17	OCT 25	152	173	191
New Ulm	Brown	APR 19	MAY 1	MAY 13	SEP 27	OCT 6	OCT 21	137	158	185
St. Peter	Nicollet	APR 10	APR 28	MAY 9	SEP 30	OCT 12	OCT 23	144	167	196
Waseca	Waseca	APR 18	APR 28	MAY 9	SEP 29	OCT 10	OCT 23	143	165	188
Winnebago	Faribault	APR 13	APR 28	MAY 5	OCT 6	OCT 18	OCT 27	154	173	197
Southeast District (9):										
Farmington	Dakota	APR 15	APR 25	MAY 9	OCT 1	OCT 10	OCT 22	145	168	190
Grand Meadow	Mower	APR 14	MAY 1	MAY 10	SEP 29	OCT 11	OCT 25	142	163	194
Winona	Winona	APR 2	APR 17	APR 28	OCT 9	OCT 22	NOV 2	164	188	215
Zumbrota	Goodhue	APR 19	MAY 3	MAY 14	SEP 30	OCT 7	OCT 19	139	157	183

1/ From data prepared by the National Weather Service Forecast Office, Minneapolis, Minnesota.

Section II



CROPS



The 1982 planting season got off to a slow start, due to cool and cloudy weather the first three weeks of April. Farmers generally made good progress the last week of April and the first two weeks of May. Planting the last half of May and the first few weeks of June was very slow, due to heavy rains over most of the state. The state started to dry out the last half of June except in the northwest and north central districts which remained wet throughout most of the growing season. July and August brought very dry conditions to the southern two-thirds of the state, especially through the mid-section of the state. The last half of August and the month of September brought ideal growing conditions for row crops in southern Minnesota. An early frost on August 26th and 27th damaged row crops in northern areas of the state. October and November brought much rain which hindered row crop harvest, especially in the southeast district.

CORN production of 734.5 million bushels was 1% below 1981. Acres for grain at 6.5 million were down 270,000 from last year but yields at 113.0 bushels per acre were up 3 bushels from last year's record yield.

Production of 1982 SOYBEANS is a record for Minnesota farmers. Production at 174.6 million bushels was up 25% over last year. A yield of 36.0 bushels/acre tied the record set in 1978.

The 1982 ALL WHEAT production of 126.8 million bushels was down 12% from 1981. Yield of 39.8 bushels per acre was almost the same as last year. Production of SPRING WHEAT at 120.8 million was down 10%. DURUM production at 3.04 million was down 44% and WINTER WHEAT production at 2.97 million bushels was down 36%.

OATS production of 107.6 million bushels was up 12% from 1981. Yield of 66.0 bushels per acre was the highest since the record of 68.0 bushels was set in 1977.

BARLEY yields of 58.0 bushels per acre surpassed last year's record of 56.0. Production at 51.0 million bushels is down 12% from last year.

RYE yield at 33.0 bushels/acre was the 2nd highest on record. Production at 3.30 million bushels gained 14% from 1981.

SUNFLOWER acreage of 540,000 was down 27% from 1981. Production of 675.2 million pounds was down 22% from a year earlier.

FLAX production of 1.65 million bushels was up 27% from 1981.

SUGARBEET tonnage of 4.78 million tons topped 1981 by 8%. The yield of 18.9 tons per acre was up 1.7 tons from 1981.

ALL HAY production in Minnesota at 8.26 million tons was up 1% from 1981.

DRY EDIBLE BEAN acreage harvested at 73,000 was down 29% from last year. Production at 949,000 hundredweight was down 26% from 1981. There was a larger than normal abandonment due to early frost and a very wet fall which caused a lot of quality damage to beans.

MINNESOTA & U.S. CROP PRODUCTION RECORDS

Crop	Plantings (000 Acres)		Yield Per Acre		Production (000)	
CORN:						
Minnesota	7,700	1981	113.0 Bu.	1982	744,700 Bu.	1981
United States	113,024	1932	114.8 Bu.	1982	8,397,334 Bu.	1982
SOYBEANS:						
Minnesota	5,150	1979	36.0 Bu.	1978	174,600 Bu.	1982
United States	72,162	1982	32.2 Bu.	1982	2,276,976 Bu.	1982
ALL WHEAT:						
Minnesota	6,375 1/	1899	39.9 Bu.	1981	144,025 Bu.	1981
United States	88,928	1981	38.6 Bu.	1982	2,808,737 Bu.	1982
BARLEY:						
Minnesota	2,380	1935	58.0 Bu.	1982	59,670 Bu.	1935
United States	19,686	1942	57.3 Bu.	1982	522,387 Bu.	1982
OATS:						
Minnesota	5,466	1945	68.0 Bu.	1977	242,640 Bu.	1945
United States	47,494	1955	58.4 Bu.	1982	1,523,851 Bu.	1945
ALL HAY:						
Minnesota	4,721 1/	1941	3.02 Tons	1979	8,910 Tons	1979
United States	77,639 1/	1944	2,51 Tons	1982	152,424 Tons	1982
FLAX:						
Minnesota	1,758	1943	15.5 Bu.	1978	19,102 Bu.	1948
United States	6,182	1943	14.3 Bu.	1982	54,803 Bu.	1948
RYE:						
Minnesota	665	1937	35.0 Bu.	1973	14,584 Bu.	1922
United States	7,235	1937	29.1 Bu.	1982	125,144 Bu.	1918
SUGARBEETS:						
Minnesota	265	1978	18.9 Tons	1978	4,971 Tons	1978
United States	1,647	1969	22.2 Tons	1981	29,704 Tons	1975
ALL SUNFLOWERS:						
Minnesota	1,400	1979	1,558 Lbs.	1977	1,870,620 Lbs.	1979
United States	5,555	1979	1,365 Lbs.	1978	7,296,110 Lbs.	1979

1/ Harvested acres.

MINNESOTA STOCKS & CROP PRICE RECORDS

Crop	Farm Stocks (000)	Off-Farm Stocks (000)	High Monthly Price	Low Monthly Price
Minnesota Corn	778,570 Bu. Jan. 1, 1983	170,367 Bu. Jan. 1, 1983	$3.34 Bu. October 1974	$0.13 Bu. February 1933
Minnesota Soybeans	122,220 Bu. Jan. 1, 1983	56,769 Bu. Jan. 1, 1970	$10.00 Bu. June 1973	$0.65 Bu. August 1939
Minnesota All Wheat	133,747 Bu. Oct. 1, 1982	90,136 Bu. Oct. 1, 1964	$5.38 Bu. February 1974	$0.33 Bu. December 1932
Minnesota Barley	52,061 Bu. Oct. 1, 1982	33,651 Bu. Oct. 1, 1970	$3.82 Bu. November 1974	$0.16 Bu. Feb., March 1933
Minnesota Oats	208,670 Bu. Oct. 1, 1945	78,566 Bu. Oct. 1, 1971	$2.04 Bu. March 1981	$0.10 Bu. October 1932
Minnesota Flax	6,695 Bu. Oct. 1, 1950	21,538 Bu. Oct. 1, 1949	$10.80 Bu. March, Aug. 1974	$0.82 Bu. August 1932
Minnesota Rye	4,356 Bu. Dec. 1, 1940	12,710 Bu. Oct. 1, 1972	$2.93 Bu. 1/ 1981	$0.19 Bu. December 1932

1/ Highest annual price since monthly prices were discontinued 6/76.

Minnesota Acreage, Yield, Production, Price and Value

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
Corn for Grain						
	1,000 Acres 1/	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 2/	1,000 Dols.
1978	7,000	6,190	104.0	643,760	2.08	1,339,021
1979	6,900	6,060	100.0	606,000	2.26	1,369,560
1980	7,250	6,290	97.0	610,130	2.85	1,738,871
1981	7,700	6,770	110.0	744,700	2.33	1,735,151
1982	7,300	6,500	113.0	734,500	2.15 3/	1,579,175
Corn for Silage						
		1,000 Acres	Tons	1,000 Tons		
1978	--	750	12.5	9,375	--	--
1979	--	750	13.5	10,125	--	--
1980	--	880	12.0	10,560	--	--
1981	--	810	13.5	10,935	--	--
1982	--	730	13.5	9,855	--	--
Soybeans						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 2/	1,000 Dols.
1978	4,100	4,060	36.0	146,160	6.52	952,963
1979	5,150	5,080	32.0	162,560	6.00	975,360
1980	4,800	4,760	31.5	149,940	7.23	1,084,066
1981	4,460	4,350	32.0	139,200	5.77	803,184
1982	4,950	4,850	36.0	174,600	5.40 3/	942,840
Oats						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 2/	1,000 Dols.
1978	2,150	1,830	54.0	98,820	1.12	110,678
1979	1,650	1,490	57.0	84,930	1.26	107,012
1980	1,650	1,450	57.0	82,650	1.70	140,505
1981	1,600	1,430	63.0	90,090	1.82	163,964
1982	1,800	1,630	66.0	107,580	1.35 3/	145,233
Barley						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 2/	1,000 Dols.
1978	1,070	1,050	49.5	51,975	1.87	97,193
1979	780	770	53.0	40,810	2.15	87,742
1980	900	815	42.5	34,638	2.75	95,255
1981	1,050	1,030	56.0	57,680	2.21	127,473
1982	900	880	58.0	51,040	1.80	91,872
Rye						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 2/	1,000 Dols.
1978	115	98	24.0	2,352	2.03	4,775
1979	100	91	25.0	2,275	2.15	4,891
1980	85	76	25.0	1,900	2.80	5,320
1981	100	93	31.0	2,883	2.93	8,447
1982	120	100	33.0	3,300	2.40	7,920

1/ Acreage planted to corn is for "all purposes". 2/ Season average prices include an allowance for loans outstanding and purchases by the government valued at average loan and purchase rate but exclude deficiency payments, if any. 3/ Preliminary.

Minnesota Acreage, Yield, Production, Price and Value (continued)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
			All Wheat			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.1/	1,000 Dols.
1978	2,850	2,776	33.6	93,225	2.96	275,551
1979	2,640	2,578	35.1	90,384	3.71	335,284
1980	3,615	3,169	32.4	102,556	4.04	414,575
1981	3,670	3,610	39.9	144,025	3.72	536,118
1982	3,240	3,184	39.8	126,809	3.54 3/	448,818
			Spring Wheat (Other than Durum)			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.1/	1,000 Dols.
1978	2,680	2,620	33.5	87,770	2.96	259,799
1979	2,500	2,450	35.0	85,750	3.69	316,418
1980	3,400	2,980	32.5	96,850	3.99	386,432
1981	3,400	3,350	40.0	134,000	3.73	499,820
1982	3,070	3,020	40.0	120,800	3.55 3/	428,840
			Durum Wheat			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu 1/	1,000 Dols.
1978	100	98	38.5	3,773	2.98	11,244
1979	80	77	37.0	2,849	4.36	12,422
1980	140	120	28.0	3,360	5.59	18,782
1981	140	135	40.0	5,400	3.63	19,602
1982	80	78	39.0	3,042	3.30 3/	10,039
			Winter Wheat			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.1/	1,000 Dols.
1978	70	58	29.0	1,682	2.68	4,508
1979	60	51	35.0	1,785	3.61	6,444
1980	75	69	34.0	2,346	3.99	9,361
1981	130	125	37.0	4,625	3.61	16,696
1982	90	86	34.5	2,967	3.35 3/	9,939
			Flaxseed			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.1/	1,000 Dols.
1978	145	142	15.5	2,201	5.70	12,546
1979	160	153	14.5	2,219	6.02	13,358
1980	140	125	12.5	1,563	7.18	11,222
1981	115	104	12.5	1,300	6.88	8,944
1982	120	110	15.0	1,650	5.30 3/	8,745
			Sugarbeets			
	Acres	Acres	Tons	Tons	Dols. Per Ton2/	1,000 Dols.
1978	265,000	263,000	18.9	4,971,000	21.80	108,368
1979	249,000	244,000	15.5	3,782,000	31.80	120,268
1980	260,000	243,000	14.9	3,621,000	44.10	159,686
1981	259,000	256,000	17.2	4,403,000	20.00	88,060
1982	255,000	253,000	18.9	4,781,000	4/	4/

1/ Season Average Prices include an allowance for loans outstanding and purchases by the government valued at average loan and purchase rate but exclude deficiency payments, if any.
2/ Excludes Sugar Act payments.
3/ Preliminary.
4/ Not available.

Minnesota Acreage, Yield, Production, Price and Value (continued)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
All Sunflowers						
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1978	710	698	1,536	1,072,020	11.51	123,404
1979	1,400	1,347	1,389	1,870,620	9.59	179,443
1980	920	890	1,184	1,053,600	11.10	117,036
1981	735	713	1,155	823,550	11.00	90,423
1982	540	508	1,329	675,240	8.68 1/	58,600
Oil Sunflowers						
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1978	650	640	1,540	985,600	11.60	114,330
1979	1,340	1,290	1,390	1,793,100	9.48	169,986
1980	860	835	1,190	993,650	11.00	109,302
1981	650	631	1,170	738,270	10.70	78,995
1982	505	475	1,350	641,250	8.55 1/	54,827
Non-Oil Sunflowers						
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1978	60	58	1,490	86,420	10.50	9,074
1979	60	57	1,360	77,520	12.20	9,457
1980	60	55	1,090	59,950	12.90	7,734
1981	85	82	1,040	85,280	13.40	11,428
1982	35	33	1,030	33,990	11.10 1/	3,773
All Hay						
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1978	--	2,990	2.95	8,806	41.00	361,046
1979	--	2,950	3.02	8,910	36.50	325,215
1980	--	2,950	2.41	7,115	56.00	398,440
1981	--	2,860	2.87	8,206	68.00	558,008
1982	--	2,870	2.88	8,264	69.50 1/	574,348
Alfalfa Hay						
		1,000 Acres	Tons	1,000 Tons		
1978	--	2,140	3.40	7,276	--	--
1979	--	2,150	3.40	7,310	--	--
1980	--	2,100	2.70	5,670	--	--
1981	--	2,000	3.20	6,400	--	--
1982	--	1,950	3.20	6,240	--	--
All Other Hay						
		1,000 Acres	Tons	1,000 Tons		
1978	--	850	1.80	1,530	--	--
1979	--	800	2.00	1,600	--	--
1980	--	850	1.70	1,445	--	--
1981	--	860	2.10	1,806	--	--
1982	--	920	2.20	2,024	--	--

1/ Preliminary.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
All Potatoes						
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1978	80,100	78,000	216	16,870	2.95	49,461
1979	76,400	74,300	198	14,716	3.11	45,782
1980	70,500	69,400	166	11,486	8.00	91,731
1981	79,200	76,100	196	14,947	4.90	72,868
1982	77,700	70,600	190	13,401	4.10 1/	54,921
Fall Potatoes						
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1978	73,000	71,000	210	14,910	2.71	40,406
1979	70,000	68,000	190	12,920	3.05	39,406
1980	65,000	64,000	155	9,920	7.70	76,384
1981	73,000	70,000	190	13,300	4.55	60,515
1982	71,000	64,000	180	11,520	N/A	N/A
Summer Potatoes						
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1978	7,100	7,000	280	1,960	4.62	9,055
1979	6,400	6,300	285	1,796	3.55	6,376
1980	5,500	5,400	290	1,566	9.80	15,347
1981	6,200	6,100	270	1,647	7.50	12,353
1982	6,700	6,600	285	1,881	N/A	N/A
Dry Edible Beans						
	Acres	Acres	Pounds	1,000 Cwt.	Dols Per Cwt.	1,000 Dols.
1978	44,000	42,000	1,410	592	13.70	8,110
1979	38,000	36,000	1,560	562	19.30	10,847
1980	90,000	84,000	1,150	966	22.50	21,735
1981	110,000	103,000	1,240	1,277	21.90	27,966
1982	95,000	73,000	1,300	949	12.60 1/	11,957
Red Clover Seed						
		Acres	Pounds 2/	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1978	--	38,000	110	4,180	58.00	2,424
1979	--	30,000	95	2,850	55.00	1,568
1980	--	30,000	100	3,000	55.50	1,665
1981	--	17,000	100	1,700	62.50	1,063
1982 3/	--	--	--	--	--	--
Timothy Seed						
		Acres	Pounds 2/	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1978	--	49,000	235	11,515	47.00	5,412
1979	--	56,000	275	15,400	34.00	5,236
1980	--	42,000	115	4,830	52.50	2,536
1981	--	50,000	310	15,500	20.50	3,178
1982 3/	--	--	--	--	--	--

1/ Preliminary 2/ Clean Seed 3/ Estimates discontinued in 1982. NA=Not available

Minnesota Acreage, Yield, Production, Price and Value (continued)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
			Sweet Corn for Processing			
	Acres	Acres	Tons 1/	Tons 1/	Dols. Per Ton	1,000 Dols.
1978	124,200	111,500	5.75	641,100	45.40	29,106
1979	110,000	98,300	5.72	562,280	46.70	26,258
1980	103,800	101,200	5.42	548,500	50.00	27,425
1981	112,800	105,200	5.45	573,340	57.30	32,852
1982	121,500	119,300	5.73	683,590	56.30	38,486
			Green Peas for Processing			
	Acres	Acres	Tons 2/	Tons 2/	Dols. Per Ton	1,000 Dols.
1978	77,700	67,900	1.22	82,850	218.00	18,061
1979	81,600	73,000	1.53	111,690	220.00	24,572
1980	70,800	66,300	1.18	78,230	244.00	19,088
1981	66,600	56,800	1.54	87,470	230.00	20,118
1982	65,100	60,800	1.60	97,280	236.00	22,958
			Onions			
	Acres	Acres	Cwt.	1,000 Cwt. 3/	Dols. Per Cwt.	1,000 Dols.
1978	1,000	970	230	223	5.90	1,080
1979	1,000	480	260	125	3.83	360
1980	900	760	265	201	12.50	2,150
1981	850	750	265	199	9.64	1,581
1982	1,000	800	210	168	5.42 4/	737
			Carrots for Fresh Market & Processing			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1978	2,100	1,900	365	694	5.21	3,619
1979	2,200	1,700	380	646	5.08	3,282
1980	1,700	1,300	380	494	7.38	3,644
1981	1,500	1,300	320	416	7.73	3,216
1982	1,800	1,500	370	555	7.23 4/	4,013
			Commercial Apples			
Crop Year	Acreage Planted	Acreage Harvested	Utilized Production		Season Average Price	Farm Value Of Utilized Production
			Mil. Lbs.		Cents Per Lb.	1,000 Dols.
1978	--	--	28.0		15.1	4,228
1979	--	--	15.0		18.0	2,700
1980	--	--	23.0		17.1	3,934
1981	--	--	21.0		19.3	4,057
1982	--	--	23.0		21.0 4/	4,823

1/ In husk. 2/ Shelled. 3/ Includes some quantities not marketed and excluded in computing value.
4/ Preliminary.

Minnesota Crop Marketings: Percent by Months

Corn Marketings

Crop Marketing Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1978-1979	12	8	5	5	4	5	7	8	14	15	10	7
1979-1980	5	7	12	4	8	4	5	7	12	13	13	10
1980-1981	15	10	6	13	5	6	9	6	8	9	7	6
1981-1982	10	16	5	7	6	7	7	7	11	8	8	8

Soybean Marketings

Crop Marketing Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1978-1979	10	23	4	6	8	5	5	5	7	15	8	4
1979-1980	6	16	3	7	5	8	6	5	10	13	11	10
1980-1981	12	24	6	4	9	5	5	9	7	5	7	7
1981-1982	7	13	8	5	5	5	6	13	12	8	9	9

All Wheat Marketings

Crop Marketing Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1978-1979	11	16	11	6	7	6	5	6	4	6	8	14
1979-1980	18	8	8	10	6	11	6	4	6	5	10	8
1980-1981	11	25	10	7	8	6	6	5	4	5	7	6
1981-1982	8	25	10	8	12	3	4	4	4	10	6	6

Oats Marketings

1978-1979	15	21	5	6	5	6	5	8	7	7	6	9
1979-1980	13	16	8	8	3	10	4	4	6	6	9	13
1980-1981	21	17	7	5	5	6	9	8	8	4	4	6
1981-1982	15	19	8	6	4	5	4	9	7	10	4	9

Barley Marketings

1978-1979	8	12	6	4	7	12	6	6	6	8	11	14
1979-1980	13	7	3	6	7	9	6	4	4	6	15	20
1980-1981	16	9	10	11	11	8	3	11	5	6	6	4
1981-1982	12	21	6	3	7	2	3	11	8	9	6	12

Flax Marketings

1978-1979	6	5	23	22	10	2	5	6	7	8	4	2
1979-1980	3	10	31	22	5	4	3	5	10	3	2	2
1980-1981	9	15	16	22	6	6	7	2	2	3	6	6
1981-1982	0	46	16	9	10	4	2	2	4	5	1	1

All Hay Marketings

Crop Marketing Year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
1978-1979	15	9	6	4	3	3	4	12	10	12	14	8
1979-1980	12	11	9	4	2	7	8	9	11	13	7	7
1980-1981	10	8	6	4	3	5	4	13	10	13	14	10
1981-1982	11	9	7	10	10	7	9	7	8	12	7	3

Minnesota Grain and Hay Stocks

Year	On Farms				All Storage Positions			
	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1
	1,000 Bushels				1,000 Bushels			
CORN STOCKS								
1979	560,071	457,070	366,943	173,815	684,201	571,139	456,579	246,723
1980	545,400	406,020	309,060	169,680	678,734	526,120	408,970	243,385
1981	494,205	341,673	262,356	91,520	614,660	450,371	340,932	151,327
1982	610,654	469,161	394,691	245,751	745,030	590,789	482,651	339,580
1983	778,570	631,670			948,937	774,665		
ALL WHEAT STOCKS								
1979	93,225	72,716	68,987	106,653	119,585	104,482	88,612	143,883
1980	79,538	59,653	36,154	77,943	106,379	92,953	62,364	129,188
1981	68,713	53,329	37,946	125,302	110,338	90,992	64,221	175,897
1982	103,698	80,654	70,572	136,954	146,193	120,528	101,872	187,931
1983	112,860	92,571			154,142	132,240		
SOYBEAN STOCKS								
1979	73,080	51,156	38,002	11,693 1/	111,370	84,418	60,419	22,145 1/
1980	89,408	66,650	52,019	21,133 1/	137,001	105,430	79,569	37,688 1/
1981	79,468	65,974	52,479	23,990 1/	125,768	97,317	72,368	37,229 1/
1982	97,440	73,776	52,896	20,880 1/	140,797	112,288	77,180	33.995 1/
1983	122,220	96,030			170,505	141,727		
OATS STOCKS								
1979	92,891	68,186	50,398	90,875	114,866	89,137	68,836	115,003
1980	75,588	56,903	39,917	74,385	94,860	73,163	51,107	92,885
1981	61,988	40,499	29,754	70,270	76,993	52,706	36,049	79,598
1982	58,559	33,333	20,721	90,367	65,310	39,660	24,811	104,301
1983	68,581	48,411			81,724	57,322		
BARLEY STOCKS								
1979	46,778	34,823	31,705	48,972	62,608	51,714	45,812	76,892
1980	44,075	32,240	23,262	36,024	72,071	57,480	46,022	62,509
1981	24,939	18,358	12,816	49,605	49,869	43,120	33,094	73,970
1982	40,953	28,263	19,611	52,061	58,683	48,183	32,338	75,292
1983	46,957	38,280			67,071	57,361		
RYE STOCKS								
1979	964	823	706	2,093	3,078	2,368	1,571	5,338
1980	1,001	865	751	1,482	3,978	3,521	3,021	4,347
1981	779	228	171	750	2,294	1,628	1,041	2,222
1982	605	202	115	1,320	1,618	845	516	3,444
1983	1,122	693			2,587	1,682		
FLAX STOCKS								
1979	792	484	198	1,575	3,172	2,669	1,209	2,951
1980	999	843	555	1,172	3,703	3,009	1,995	3,657
1981	531	422	156	455	3,031	2,140	1,319	1,090
1982	299	182	156	792	1,574	1,246	596	1,222
1983	545	462			930	807		

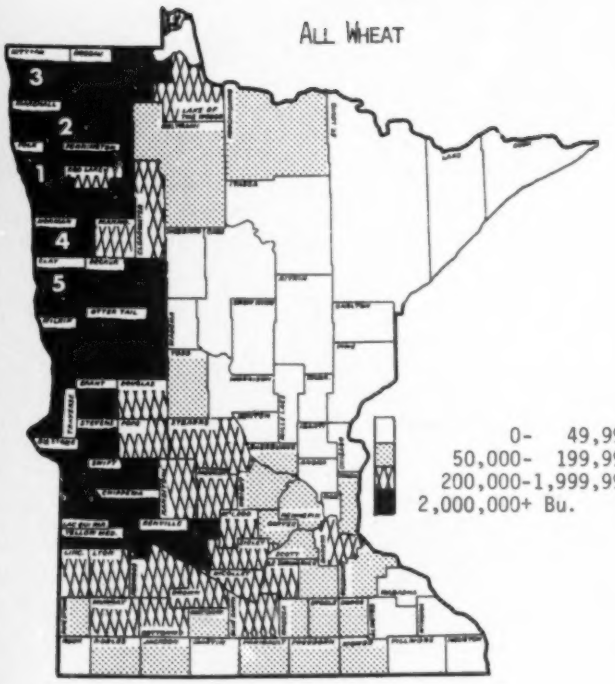
HAY STOCKS

	Jan. 1	May 1	
	1,000 Tons		
1979	6,076	1,937	OFF-FARM HAY STOCKS
1980	6,772	1,871	NOT ESTIMATED
1981	4,696	1,210	
1982	5,662	1,395	
1983	5,206	1,405	

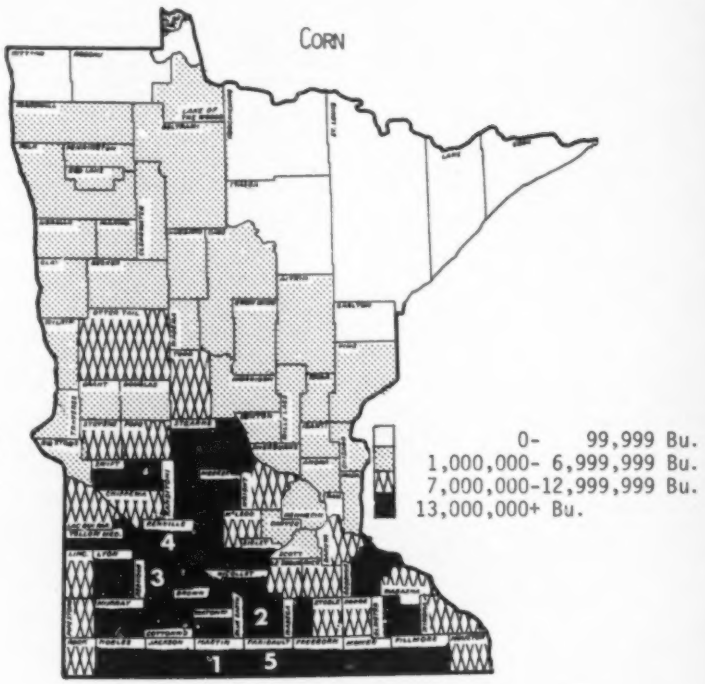
1/ September 1 stocks.

Geographic Distribution of Major Minnesota Crops, 1982

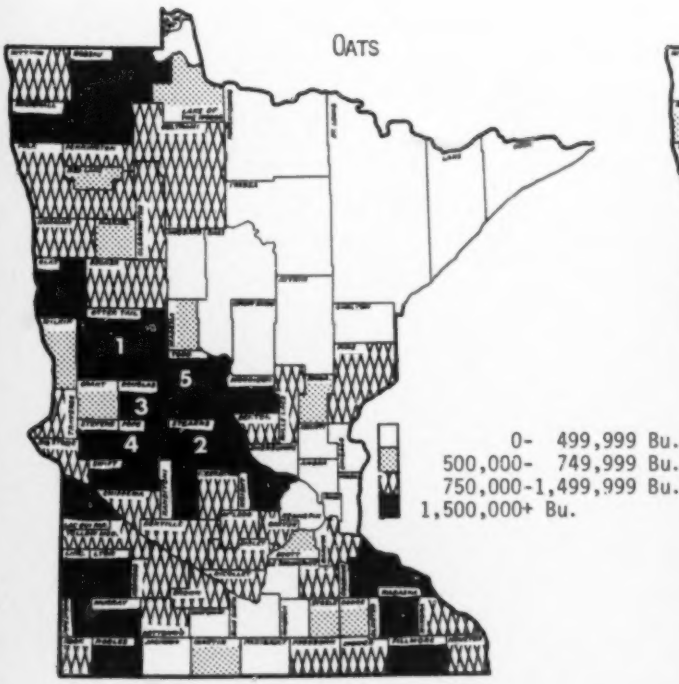
All Wheat



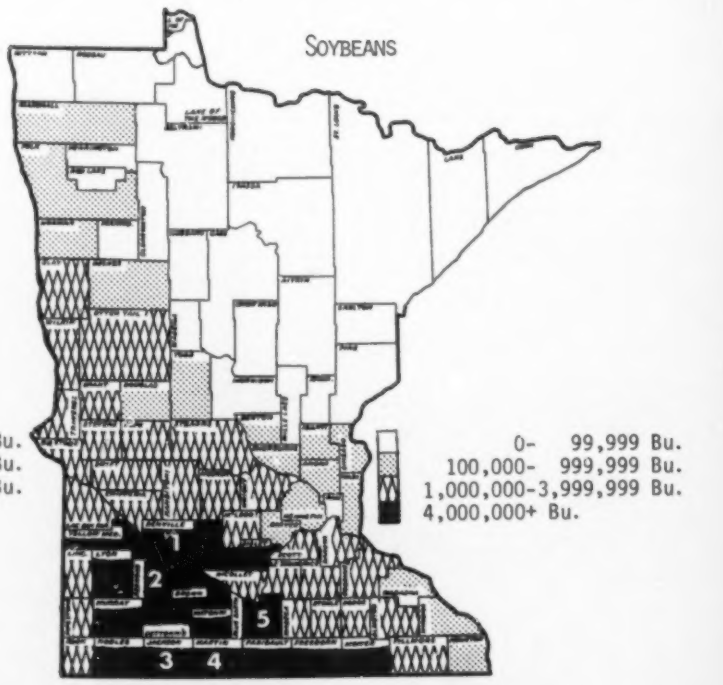
Corn



Oats



Soybeans



CORN: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (66)	32,300	30,500	18,700	13,800	80.0	70.0	1,496,000	966,000
Clay (60)	35,700	33,900	30,600	27,500	96.0	84.0	2,937,600	2,310,000
Clearwater (75)	12,400	9,700	8,300	3,800	72.0	55.0	597,600	209,000
Kittson (79)	1,800	2,000	1,700	1,600	69.0	56.0	117,300	89,600
Mahnomen (71)	16,100	13,900	8,500	9,100	88.0	57.0	748,000	518,700
Marshall (69)	21,100	16,900	18,400	9,600	65.0	68.0	1,196,000	652,800
Norman (68)	22,300	19,100	16,700	12,100	84.0	75.0	1,402,800	907,500
Pennington (76)	8,000	6,700	7,200	3,400	67.0	53.0	482,400	180,200
Polk (65)	40,300	34,000	33,300	25,200	89.0	60.0	2,963,700	1,512,000
Red Lake (70)	18,200	13,500	16,800	7,500	70.0	70.0	1,176,000	525,000
Roseau (82)	11,100	9,700	5,700	600	75.0	50.0	427,500	30,000
Total	219,300	189,900	165,900	114,200	81.6	69.2	13,544,900	7,900,800
North Cent. Dist. 2								
Beltrami (74)	13,100	8,500	6,400	3,900	68.0	57.0	435,200	222,300
Cass (72)	15,600	10,800	10,300	5,300	80.0	80.0	824,000	424,000
Hubbard (73)	11,700	8,300	6,600	3,300	73.0	88.0	481,800	290,400
Lake of the Woods (77)	1,900	3,600	700	2,000	73.0	73.0	51,100	146,000
Other Counties	6,000	4,400	400	500	80.0	75.0	0	37,600
Total	48,300	35,600	24,400	15,000	74.8	74.7	1,824,100	1,120,300
Northeast Dist. 3								
St. Louis (85)	1,100	1,200	0	100	0.0	68.0	0	6,800
Total	1,100	1,200	0	100	0.0	68.0	0	6,800
West Cent. Dist. 4								
Big Stone (53)	51,000	47,400	47,200	44,000	85.0	83.0	4,012,000	3,652,000
Chippewa (31)	99,900	99,300	94,600	95,400	97.0	115.0	9,176,200	10,971,000
Douglas (50)	68,300	64,600	54,400	49,300	93.0	85.0	5,059,200	4,190,500
Grant (57)	39,200	37,000	34,500	31,700	89.0	90.0	3,070,500	2,853,000
Lac Qui Parle (36)	113,600	112,900	105,300	102,100	89.0	92.0	9,371,700	9,393,200
Otter Tail (32)	180,000	174,100	126,000	128,900	93.0	84.0	11,718,000	10,827,600
Pope (38)	106,700	100,400	92,300	88,400	99.0	102.0	9,137,700	9,016,800
Stevens (40)	92,200	86,100	86,500	79,800	109.0	101.0	9,428,500	8,059,800
Swift (21)	147,300	136,300	137,600	129,600	105.0	112.0	14,448,000	14,515,200
Traverse (61)	34,700	30,600	29,400	28,500	80.0	75.0	2,352,000	2,137,500
Wilkin (58)	33,400	31,500	29,400	28,700	93.0	90.0	2,734,200	2,583,000
Yellow Medicine (12)	175,600	167,100	170,000	162,100	105.0	118.7	17,850,000	19,235,700
Total	1,141,900	1,087,300	1,007,200	968,500	97.7	100.6	98,358,000	97,435,300
Central Dist. 5								
Benton (46)	80,500	79,000	64,900	62,100	93.0	99.0	6,036,700	6,147,900
Carver (45)	72,900	71,200	61,000	56,200	117.0	116.0	7,137,000	6,519,200
Kandiyohi (14)	171,400	157,700	162,200	146,700	102.0	120.0	16,544,400	17,604,000
McLeod (30)	116,700	105,600	104,300	94,400	117.0	122.0	12,203,100	11,516,800
Meeker (24)	140,300	134,400	126,900	124,400	104.0	115.0	13,197,600	14,306,000
Morrison (48)	112,700	109,500	88,500	78,900	85.0	73.0	7,522,500	5,759,700
Renville (04)	190,700	182,500	186,000	179,600	117.0	132.0	21,762,000	23,707,200
Scott (47)	60,700	59,700	51,700	49,300	127.0	120.0	6,565,900	5,916,000
Sherburne (54)	40,600	40,100	31,300	34,100	89.0	101.0	2,785,700	3,444,100
Sibley (23)	133,800	122,400	117,800	114,700	124.0	125.0	14,607,200	14,337,500
Stearns (10)	251,400	245,200	183,900	189,600	93.0	105.0	17,102,700	19,908,000
Todd (43)	120,000	118,700	81,000	88,500	82.0	82.0	6,642,000	7,257,000
Wadena (64)	39,700	36,500	27,100	24,500	77.0	78.0	2,086,700	1,911,000
Wright (35)	112,600	109,400	96,700	92,800	104.0	103.0	10,056,800	9,558,400
Total	1,644,000	1,571,900	1,383,300	1,335,800	104.3	110.7	144,249,300	147,892,800

CORN: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82 (CONT.)

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (78)	7,200	5,600	5,000	2,200	110.0	57.0	550,000	125,400
Anoka (59)	30,600	28,900	27,700	25,300	82.0	93.0	2,271,400	2,352,900
Carlton (81)	3,000	3,000	700	700	83.0	75.0	58,100	52,500
Chisago (52)	51,600	50,000	45,300	44,400	82.0	84.0	3,714,600	3,729,600
Crow Wing (67)	19,600	19,300	15,600	14,200	67.0	64.0	1,045,200	908,800
Hennepin (56)	33,400	31,400	30,400	28,300	110.0	109.0	3,344,000	3,084,700
Isanti (49)	64,600	54,200	60,800	50,500	84.0	89.0	5,107,200	4,494,500
Kanabec (63)	37,300	36,700	22,200	24,100	84.0	80.0	1,864,800	1,928,000
Mille Lacs (55)	47,700	44,700	37,700	32,500	90.0	95.0	3,393,000	3,087,500
Pine (62)	43,600	39,400	22,800	23,300	91.0	83.0	2,074,800	1,933,900
Ramsey (80)	900	1,000	800	900	101.0	88.0	80,800	79,200
Washington (51)	51,200	48,200	49,300	45,400	111.0	84.0	5,472,300	3,813,600
Total	390,700	362,400	318,300	291,800	91.0	87.7	28,976,200	25,590,600
Southwest Dist. 7								
Cottonwood (13)	160,000	156,000	146,400	148,500	121.0	126.0	17,714,400	18,711,000
Jackson (06)	197,700	187,800	193,200	181,500	131.0	130.0	25,309,200	23,595,000
Lincoln (41)	102,300	97,800	87,200	82,900	89.0	93.0	7,760,800	7,709,700
Lyon (15)	165,300	159,700	149,000	146,600	92.0	116.0	13,708,000	17,005,600
Murray (16)	170,600	162,800	143,600	147,000	93.0	113.0	13,354,800	16,611,000
Nobles (11)	196,200	189,000	188,100	178,900	116.0	111.0	21,819,600	19,857,900
Pipestone (37)	107,600	101,600	91,500	92,000	77.0	99.0	7,045,500	9,108,000
Redwood (03)	208,400	201,800	197,300	192,800	111.0	124.0	21,900,300	23,907,200
Rock (29)	140,000	128,800	121,700	114,300	109.0	107.0	13,265,300	12,230,100
Total	1,448,100	1,385,300	1,318,000	1,284,500	107.6	115.8	141,877,900	148,735,500
South Cent. Dist.8								
Blue Earth (02)	180,900	182,600	132,600	178,400	85.0	136.0	11,271,000	24,262,400
Brown (17)	131,900	133,700	118,500	127,400	106.0	123.0	12,561,000	15,670,200
Faribault (05)	197,300	175,700	184,600	172,400	119.0	137.0	21,967,400	23,618,800
Freeborn (07)	214,400	189,100	206,000	184,100	122.0	126.0	25,132,000	23,196,600
LeSueur (39)	85,700	82,400	82,000	76,300	128.0	113.0	10,496,000	8,621,900
Martin (01)	196,400	188,600	186,700	183,100	133.0	133.0	24,831,100	24,352,300
Nicollet (25)	109,200	105,800	101,100	100,900	125.0	132.0	12,637,500	13,318,800
Rice (28)	125,500	118,000	116,400	108,300	129.0	116.0	15,015,600	12,562,800
Steele (26)	126,300	117,500	119,400	111,500	124.0	116.0	14,805,600	12,934,000
Waseca (19)	125,000	122,100	118,100	117,200	128.0	130.0	15,116,800	15,236,000
Watonwan (20)	111,900	107,500	103,000	105,500	128.0	138.0	13,184,000	14,559,000
Total	1,604,500	1,523,000	1,468,400	1,465,100	120.6	128.5	177,018,000	188,332,800
Southeast Dist. 9								
Dakota (33)	112,000	105,200	101,700	94,900	123.0	106.0	12,509,100	10,059,400
Dodge (27)	130,000	116,800	125,000	110,000	127.0	115.0	15,875,000	12,650,000
Fillmore (09)	201,500	200,600	183,800	187,100	129.0	107.0	23,710,200	20,019,700
Goodhue (22)	145,200	142,900	128,900	123,900	130.0	116.0	16,757,000	14,372,400
Houston (44)	74,600	73,300	61,900	60,900	130.0	118.0	8,047,000	7,186,200
Mower (08)	201,400	177,700	190,400	171,500	128.0	118.0	24,371,200	20,237,000
Olmsted (18)	159,200	150,800	140,900	130,100	130.0	120.0	18,317,000	15,612,000
Wabasha (42)	80,000	80,400	69,400	67,100	129.0	114.0	8,952,600	7,649,400
Winona (34)	98,200	95,800	82,500	79,500	125.0	122.0	10,312,500	9,699,000
Total	1,202,100	1,143,400	1,084,500	1,025,000	128.0	114.6	138,851,600	117,485,100
STATE TOTAL	7,700,000	7,300,000	6,770,000	6,500,000	110.0	113.0	744,700,000	734,500,000

CORN FOR SILAGE: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

District, County and County Rank in 1982 Production ()		Acreage Harvested		Yield Per Harvested Acre		Production	
		1981	1982	1981	1982	1981	1982
		Acres		Tons		Tons	
Northwest Dist. 1							
Becker	(20)	13,300	16,100	10.3	9.9	137,000	159,800
Clay	(61)	3,900	5,300	13.0	9.5	50,700	50,300
Clearwater	(58)	3,500	5,900	9.8	8.9	34,300	52,700
Kittson	(84)	100	300	10.0	8.7	1,000	2,600
Mahnomen	(56)	7,500	4,800	10.6	11.4	79,500	54,700
Marshall	(59)	2,600	6,000	10.2	8.5	26,500	51,000
Norman	(45)	5,500	7,000	11.3	11.9	62,200	83,200
Pennington	(77)	800	1,900	10.9	10.4	8,700	19,800
Polk	(40)	6,600	8,600	12.5	10.4	82,500	89,600
Red Lake	(65)	1,000	4,400	11.0	10.4	11,000	45,600
Roseau	(51)	5,100	7,900	9.7	8.8	49,500	69,600
Total		49,900	68,200	10.9	10.0	542,900	678,900
North Cent. Dist. 2							
Beltrami	(73)	6,100	2,900	12.0	9.7	73,200	28,200
Cass	(62)	4,700	4,900	9.9	10.2	46,500	50,100
Hubbard	(79)	4,500	1,600	10.2	10.0	45,900	16,000
Itasca	(83)	2,000	1,200	9.8	9.3	19,600	11,200
Koochiching	(75)	3,300	2,400	10.7	10.5	35,300	25,100
Lake of the Woods	(81)	1,200	1,400	10.2	10.0	12,200	14,000
Total		21,800	14,400	10.7	10.0	232,700	144,600
Northeast Dist. 3							
St. Louis	(82)	1,100	1,100	11.2	11.0	12,300	12,100
Total		1,100	1,100	11.2	11.0	12,300	12,100
West Cent. Dist. 4							
Big Stone	(70)	3,200	3,200	11.6	10.3	37,100	32,900
Chippewa	(55)	4,100	3,500	13.5	16.0	55,400	56,100
Douglas	(12)	13,500	14,600	12.5	13.4	168,800	195,900
Grant	(60)	4,500	4,600	13.8	11.1	62,100	50,900
Lac Qui Parle	(35)	7,100	8,900	13.2	12.1	93,700	107,700
Otter Tail	(02)	52,600	44,200	13.4	10.8	704,800	476,600
Pope	(19)	13,300	11,300	13.2	15.0	175,600	169,400
Stevens	(39)	5,600	5,400	14.3	16.6	80,100	89,700
Swift	(48)	7,000	6,300	13.4	12.5	93,800	78,900
Traverse	(76)	5,300	2,000	9.7	10.7	51,400	21,400
Wilkin	(71)	3,900	2,600	12.9	11.7	50,300	30,500
Yellow Medicine	(49)	4,200	4,500	13.0	16.9	54,600	76,100
Total		124,300	111,100	13.1	12.5	1,627,700	1,386,100
Central Dist. 5							
Benton	(22)	15,400	15,300	10.5	10.0	161,700	153,000
Carver	(09)	11,300	14,100	17.0	14.8	192,100	208,400
Kandiyohi	(24)	7,800	10,000	13.6	15.0	106,100	150,000
McLeod	(15)	11,800	10,600	17.6	16.7	207,700	176,800
Meeker	(37)	11,200	7,400	13.5	14.4	151,200	106,400
Morrison	(05)	23,700	28,700	12.9	11.1	305,700	318,800
Renville	(66)	4,500	2,500	15.4	17.8	69,300	44,500
Scott	(23)	8,700	10,000	17.6	15.2	153,100	151,500
Sherburne	(57)	7,800	5,500	10.8	9.9	84,200	54,500
Sibley	(32)	14,700	7,400	14.3	16.6	210,200	123,000
Stearns	(01)	66,100	54,600	13.5	13.6	892,400	740,700
Todd	(04)	38,600	27,800	12.1	11.7	467,100	326,600
Wadena	(30)	12,400	11,000	13.7	11.6	169,900	127,200
Wright	(17)	15,700	13,900	14.4	12.6	226,100	175,300
Total		249,700	218,800	13.6	13.1	3,396,800	2,856,700

CORN FOR SILAGE: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82 (CONT.)

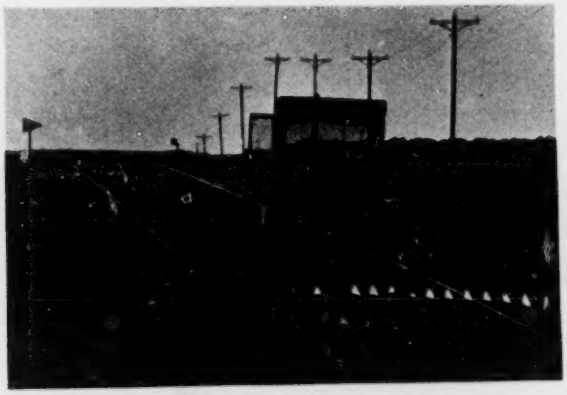
District, County and County Rank in 1982 Production ()	Acreage Harvested		Yield Per Harvested Acre		Production	
	1981	1982	1981	1982	1981	1982
	Acres		Tons		Tons	
East Cent. Dist. 6						
Aitkin (80)	2,100	1,600	8.2	9.1	17,200	14,500
Anoka (69)	2,700	3,100	11.2	11.6	30,200	36,000
Carlton (78)	2,100	2,000	9.6	9.5	20,200	19,000
Chisago (52)	5,700	5,300	13.3	12.5	75,800	66,200
Crow Wing (67)	3,700	4,800	8.6	9.0	31,800	43,200
Hennepin (63)	3,000	3,100	14.8	15.7	44,400	48,600
Isanti (68)	3,700	3,400	9.3	12.4	34,400	42,200
Kanabec (28)	14,400	12,400	12.0	11.3	172,800	140,200
Mille Lacs (26)	9,400	10,900	12.0	13.5	112,800	147,100
Pine (14)	19,900	14,600	10.8	12.3	214,900	179,700
Ramsey (85)	100	100	11.0	12.0	1,100	1,200
Washington (74)	1,700	2,600	12.1	10.3	20,600	26,900
Total	68,500	63,900	11.3	12.0	776,200	764,800
Southwest Dist. 7						
Cottonwood (36)	13,600	6,800	15.8	15.7	214,900	106,900
Jackson (47)	4,500	5,400	15.1	15.0	68,000	80,900
Lincoln (13)	14,900	14,300	10.7	13.2	159,400	188,700
Lyon (27)	15,800	10,300	11.4	14.3	180,100	147,000
Murray (10)	24,900	15,200	11.5	13.2	286,400	201,300
Nobles (21)	8,100	9,600	14.0	16.2	113,400	155,500
Pipestone (33)	16,100	8,400	13.2	14.6	212,500	122,500
Redwood (31)	7,800	7,300	12.0	17.0	93,600	124,100
Rock (08)	18,000	13,100	11.7	16.4	210,600	214,900
Total	123,700	90,400	12.4	14.8	1,538,900	1,341,800
South Cent. Dist. 8						
Blue Earth (53)	6,800	3,800	8.5	17.0	57,800	64,600
Brown (34)	8,100	6,100	15.1	19.6	122,300	119,800
Faribault (64)	2,800	2,500	18.7	19.0	52,400	47,500
Freeborn (54)	6,100	3,800	13.6	15.4	83,000	58,500
LeSueur (38)	3,600	5,400	18.0	16.6	64,800	89,900
Martin (42)	5,500	4,700	14.1	18.1	77,600	85,100
Nicollet (46)	6,500	4,700	16.7	17.3	108,600	81,400
Rice (29)	8,600	9,400	18.7	14.9	160,800	140,100
Steele (44)	6,100	5,600	14.0	15.0	85,400	83,900
Waseca (43)	3,500	4,500	15.6	18.9	54,600	85,000
Watonwan (72)	3,500	1,400	12.8	20.9	44,800	29,200
Total	61,100	51,900	14.9	17.1	912,100	885,000
Southeast Dist. 9						
Dakota (25)	9,500	9,800	16.4	15.1	155,800	147,500
Dodge (41)	4,300	6,000	16.5	14.6	71,000	87,800
Fillmore (18)	14,700	10,600	18.2	16.2	267,500	172,100
Goodhue (06)	15,000	18,200	16.3	15.6	244,500	284,100
Houston (16)	12,600	12,200	16.9	14.5	212,900	176,600
Mower (50)	10,000	5,500	16.2	13.6	162,000	74,800
Olmsted (03)	17,700	19,900	17.5	18.2	309,800	361,500
Wabasha (11)	10,500	12,000	17.9	16.7	188,000	200,500
Winona (07)	15,600	16,000	18.2	17.5	283,900	280,100
Total	109,900	110,200	17.2	16.2	1,895,400	1,785,000
STATE TOTAL	810,000	730,000	13.5	13.5	10,935,000	9,855,000

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (58)	6,200	13,900	6,200	13,300	25.0	25.0	155,000	332,500
Clay (38)	35,700	63,700	35,600	60,800	31.0	27.0	1,103,600	1,641,600
Kittson (68)	900	3,100	900	2,600	31.0	20.0	27,900	52,000
Mahnomen (70)	900	2,000	900	2,000	27.0	20.0	24,300	40,000
Marshall (54)	12,800	29,800	12,100	24,500	33.0	16.0	399,300	392,000
Norman (53)	10,500	18,800	10,500	18,200	31.0	25.0	325,500	455,000
Polk (60)	5,700	14,400	5,500	13,800	30.0	18.0	165,000	248,400
Red Lake (72)	800	1,100	500	1,000	29.0	16.0	14,500	16,000
Other Counties	400	1,100	400	1,000	25.0	17.0	9,900	17,000
Total	73,900	147,900	72,600	137,200	30.6	23.3	2,225,000	3,194,500
North Cent. Dist. 2								
Total	1,200	1,400	1,000	1,200	24.4	25.3	24,400	30,400
Northeast Dist. 3								
Total	0	0	0	0	0.0	0.0	0	0
West Cent. Dist. 4								
Big Stone (40)	53,500	54,000	53,500	53,200	27.0	27.0	1,444,500	1,436,400
Chippewa (20)	86,100	103,800	82,300	102,100	27.0	35.0	2,222,100	3,573,500
Douglas (48)	26,100	27,800	25,700	27,400	24.0	31.0	616,800	849,400
Grant (28)	57,800	71,500	57,700	70,200	28.0	33.0	1,615,600	2,316,600
Lac Qui Parle (17)	121,000	138,700	120,400	136,800	26.0	28.0	3,130,400	3,830,400
Otter Tail (32)	51,800	56,100	51,100	55,000	33.0	35.0	1,686,300	1,925,000
Pope (46)	37,000	37,500	36,600	36,400	32.0	31.0	1,171,200	1,128,400
Stevens (31)	61,900	66,800	61,600	65,900	33.0	33.0	2,032,800	2,174,700
Swift (19)	88,200	106,000	86,200	104,300	31.0	35.0	2,672,200	3,650,500
Traverse (33)	59,900	78,200	59,900	76,800	25.0	25.0	1,497,500	1,920,000
Wilkin (42)	30,900	45,500	30,900	44,700	28.0	29.0	865,200	1,296,300
Yellow Medicine (09)	134,000	155,600	132,400	153,300	33.0	38.0	4,369,200	5,825,400
Total	808,200	941,500	798,300	926,100	29.2	32.3	23,323,800	29,926,600
Central Dist. 5								
Benton (62)	4,200	5,000	4,200	4,900	25.0	28.0	105,000	137,200
Carver (47)	23,200	25,600	22,900	25,100	42.0	35.0	961,800	878,500
Kandiyohi (18)	85,600	99,100	85,300	97,200	33.0	39.0	2,814,900	3,790,800
McLeod (23)	69,600	80,300	69,200	78,400	33.0	37.0	2,283,600	2,900,800
Meeker (25)	72,000	76,300	70,400	74,700	36.0	35.0	2,534,400	2,614,500
Morrison (65)	4,100	4,600	4,000	4,500	28.0	20.0	112,000	90,000
Renville (01)	204,700	238,300	203,900	234,400	34.0	40.0	6,932,600	9,376,000
Scott (45)	31,800	34,400	31,700	33,500	37.0	34.0	1,172,900	1,139,000
Sherburne (52)	12,700	14,700	12,600	14,400	28.0	32.0	352,800	460,800
Sibley (15)	115,900	121,900	114,400	119,700	36.0	38.0	4,118,400	4,548,600
Stearns (44)	38,200	40,500	38,000	39,900	29.0	31.0	1,102,000	1,236,900
Todd (57)	9,800	11,000	9,600	10,800	27.0	31.0	259,200	334,800
Wadena (67)	2,000	2,200	2,000	2,200	32.0	30.0	64,000	66,000
Wright (39)	44,200	44,700	43,800	44,000	34.0	33.0	1,489,200	1,452,000
Total	718,000	798,600	712,000	783,700	34.1	37.0	24,302,800	29,025,900
East Cent. Dist. 6								
Aitkin (74)	500	500	400	500	18.0	24.0	7,200	12,000
Anoka (61)	5,900	6,800	5,900	6,600	25.0	28.0	147,500	184,800
Chisago (55)	15,400	18,000	15,000	17,400	23.0	22.0	345,000	382,800
Crow Wing (69)	2,400	2,800	2,300	2,600	20.0	18.0	46,000	46,800
Hennepin (49)	15,800	18,300	15,800	18,000	33.0	36.0	521,400	648,000
Isanti (59)	10,900	14,400	10,800	14,000	22.0	22.0	237,600	308,000
Kanabec (71)	1,000	1,100	1,000	1,100	25.0	24.0	25,000	26,400
Mille Lacs (64)	3,300	4,100	3,100	3,600	25.0	27.0	77,500	97,200
Pine (66)	2,900	3,300	2,600	3,200	18.0	22.0	46,800	70,400
Washington (50)	19,900	22,600	19,800	22,200	35.0	23.0	693,000	510,600
Other Counties	400	700	400	600	27.0	28.0	10,800	16,900
Total	78,400	92,600	77,100	89,800	28.0	25.7	2,157,800	2,303,900

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82 (CONTINUED)

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
Southwest Dist. 7								
Cottonwood (07)	154,500	164,600	153,600	162,200	36.0	40.0	5,525,500	6,488,000
Jackson (03)	182,700	191,800	181,500	188,600	36.0	41.0	6,528,500	7,732,600
Lincoln (35)	51,600	59,500	51,400	58,400	30.3	32.0	1,556,000	1,868,800
Lyon (10)	129,900	150,200	129,300	147,500	32.2	39.0	4,162,900	5,752,500
Murray (12)	126,900	142,300	126,200	140,200	33.1	38.0	4,181,600	5,327,600
Nobles (08)	159,400	167,900	158,500	165,400	34.1	36.0	5,401,400	5,954,400
Pipestone (29)	53,600	62,100	53,200	61,100	29.4	36.0	1,561,900	2,199,600
Redwood (02)	206,500	217,200	200,400	212,500	29.3	39.0	5,880,000	8,287,500
Rock (24)	77,300	82,400	76,700	79,100	36.9	36.0	2,831,800	2,847,600
Total	1,142,400	1,238,000	1,130,800	1,215,000	33.3	38.2	37,629,600	46,458,600
South Cent. Dist. 8								
Blue Earth (05)	178,600	175,300	151,100	172,700	23.6	40.0	3,560,500	6,908,000
Brown (14)	124,000	126,100	113,800	124,300	28.3	40.0	3,217,600	4,972,000
Faribault (06)	173,800	176,100	153,600	173,100	29.2	38.0	4,489,400	6,577,800
Freeborn (11)	134,500	145,300	127,800	142,700	28.3	38.0	3,613,500	5,422,600
LeSueur (27)	64,500	68,600	64,000	67,500	33.0	36.0	2,112,700	2,430,000
Martin (04)	190,500	190,400	189,100	187,300	34.9	41.0	6,597,900	7,679,300
Nicollet (21)	87,800	89,500	86,200	88,100	33.0	40.0	2,842,800	3,524,000
Rice (37)	47,300	46,600	46,900	45,700	36.8	36.0	1,724,300	1,645,200
Steele (26)	73,700	79,200	73,100	76,800	34.9	34.0	2,547,700	2,611,200
Waseca (22)	77,300	79,400	72,100	78,000	32.0	38.0	2,309,700	2,964,000
Watonwan (16)	103,600	103,400	100,800	101,800	29.2	42.0	2,944,300	4,275,600
Total	1,255,600	1,279,900	1,178,500	1,258,000	30.5	39.0	35,960,400	49,009,700
Southeast Dist. 9								
Dakota (34)	56,200	62,200	55,500	60,900	35.0	31.0	1,942,500	1,887,900
Dodge (30)	63,200	72,000	62,700	68,700	36.0	32.0	2,257,200	2,198,400
Fillmore (43)	36,000	41,500	35,900	40,700	34.0	31.0	1,220,600	1,261,700
Goodhue (36)	44,800	54,900	44,800	53,400	35.0	34.0	1,568,000	1,815,600
Houston (63)	2,800	3,500	2,700	3,400	36.0	35.0	97,200	119,000
Mower (13)	125,100	152,500	124,600	149,800	36.0	35.0	4,485,600	5,243,000
Olmsted (41)	32,800	39,400	32,700	38,700	38.0	34.0	1,242,600	1,315,800
Wabasha (51)	13,800	15,400	13,700	14,800	37.0	32.0	506,900	473,600
Winona (56)	7,600	8,700	7,100	8,600	36.0	39.0	255,600	335,400
Total	382,300	450,100	379,700	439,000	35.8	33.4	13,576,200	14,650,400
STATE TOTAL	4,460,000	4,950,000	4,350,000	4,850,000	32.0	36.0	139,200,000	174,600,000



All Wheat: Acreage, Yield and Production, by Districts and Counties, Minnesota, 1981-82

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (18)	72,400	70,100	71,700	69,300	42.1	37.6	3,018,900	2,605,000
Clay (05)	205,300	185,200	203,400	183,000	39.8	43.3	8,095,900	7,925,200
Clearwater (36)	13,500	12,000	12,700	11,900	30.9	28.5	392,000	339,100
Kittson (03)	277,500	268,900	277,000	266,000	41.4	41.6	11,470,600	11,062,600
Mahnomen (23)	33,300	34,100	32,500	33,900	37.9	41.7	1,231,600	1,413,300
Marshall (02)	391,600	353,500	389,600	341,900	43.5	36.9	16,963,600	12,608,100
Norman (04)	208,200	198,600	207,600	196,700	45.2	45.8	9,382,800	9,018,600
Pennington (12)	109,100	108,800	105,300	101,400	39.6	32.0	4,173,100	3,247,200
Polk (01)	416,400	420,100	414,200	411,200	44.4	43.8	18,406,900	17,991,800
Red Lake (20)	66,300	55,400	53,000	54,300	37.9	30.9	2,011,200	1,677,900
Roseau (06)	186,500	186,200	184,100	181,400	42.9	39.1	7,892,700	7,090,900
Total	1,980,100	1,887,900	1,951,100	1,851,000	42.6	40.5	83,039,300	74,979,700
North Cent. Dist. 2								
Beltrami (41)	7,800	8,000	7,200	7,500	27.9	26.6	200,700	199,300
Cass (71)	400	800	400	700	36.8	34.4	14,700	24,100
Hubbard (67)	900	1,100	900	1,000	35.1	31.2	31,600	31,200
Itasca (70)	1,600	1,900	1,600	800	37.4	33.1	59,900	26,500
Koochiching (59)	1,900	1,700	1,900	1,700	38.6	38.0	73,300	64,600
Lake of the Woods (31)	13,400	16,800	13,400	15,700	41.2	34.9	551,500	547,500
Total	26,000	30,300	25,400	27,400	36.7	32.6	931,700	893,200
Northeast Dist. 3								
St. Louis (62)	1,700	1,400	1,700	1,300	21.1	35.0	35,900	45,500
Total	1,700	1,400	1,700	1,300	21.1	35.0	35,900	45,500
West Cent. Dist. 4								
Big Stone (17)	88,000	85,300	87,500	84,700	32.5	31.0	2,842,600	2,624,500
Chippewa (14)	89,000	74,600	88,300	74,000	28.4	38.9	2,507,200	2,878,800
Douglas (24)	26,100	24,400	25,900	24,200	33.1	37.9	856,200	916,000
Grant (10)	104,600	84,700	104,200	84,200	39.9	40.9	4,159,300	3,447,200
Lac Qui Parle (09)	122,000	101,500	120,900	100,900	30.5	37.0	3,684,000	3,730,900
Otter Tail (16)	82,900	75,600	82,500	75,000	38.7	37.9	3,192,700	2,845,700
Pope (22)	41,500	39,900	41,200	38,800	39.5	41.0	1,626,700	1,590,300
Stevens (13)	92,800	78,700	92,200	78,300	42.7	40.0	3,938,300	3,130,000
Swift (15)	94,300	74,100	93,600	73,600	37.6	39.0	3,519,700	2,867,700
Traverse (08)	124,500	110,900	123,200	109,600	33.5	36.9	4,131,600	4,049,600
Wilkin (07)	143,700	139,000	143,100	138,100	36.6	41.9	5,235,000	5,786,900
Yellow Medicine (19)	64,700	57,800	63,900	57,200	33.5	39.0	2,140,000	2,229,600
Total	1,074,100	946,500	1,066,500	938,600	35.5	38.5	37,833,300	36,097,200
Central Dist. 5								
Benton (78)	1,100	400	1,000	400	37.0	30.5	37,000	12,200
Carver (44)	7,200	4,000	6,900	4,000	46.2	45.5	318,800	182,000
Kandiyohi (21)	49,800	38,200	49,300	37,700	42.5	42.9	2,097,200	1,616,900
McLeod (27)	29,300	20,700	28,800	19,700	45.8	41.0	1,319,000	807,700
Meeker (29)	24,600	15,300	24,300	15,200	43.0	42.6	1,044,400	647,200
Morrison (68)	2,100	1,000	1,800	1,000	29.8	30.6	53,700	30,600
Renville (11)	98,200	75,700	96,300	73,400	43.7	46.0	4,206,700	3,373,200
Scott (43)	8,600	4,800	8,400	4,800	41.0	38.9	344,000	186,500
Sherburne (60)	5,100	2,000	4,900	2,000	29.6	30.4	145,100	60,800
Sibley (30)	19,400	14,500	18,800	14,300	43.7	44.8	822,400	640,900
Stearns (39)	11,500	7,900	11,100	7,900	34.5	33.2	383,100	262,600
Todd (42)	7,400	5,100	7,200	5,100	34.9	38.1	251,500	194,300
Wadena (74)	1,500	600	1,400	600	31.8	33.7	44,500	20,200
Wright (47)	6,200	4,000	6,100	3,900	37.7	40.0	230,000	155,900
Total	272,000	194,200	266,300	190,000	42.4	43.1	11,297,400	8,191,000

ALL WHEAT: YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82 (CONTINUED)

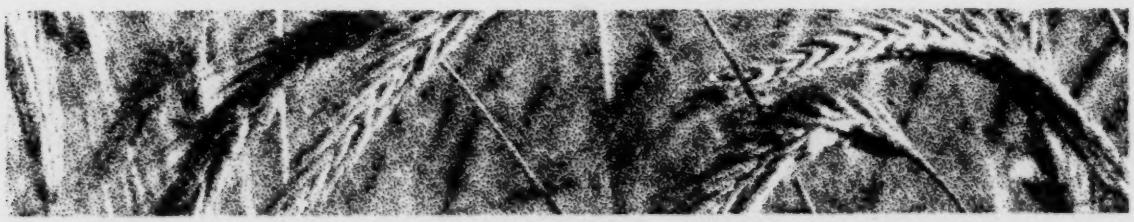
District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (73)	1,000	600	800	600	34.1	34.3	27,300	20,600
Hennepin (58)	3,600	1,900	3,400	1,800	41.0	38.7	139,400	69,700
Isanti (72)	1,000	700	1,000	700	25.9	30.1	25,900	21,100
Mille Lacs (76)	600	500	600	500	37.5	34.0	22,500	17,000
Washington (55)	2,900	2,400	2,800	2,300	41.1	36.2	115,100	83,300
Other Counties	2,100	1,700	2,000	1,700	31.2	33.3	62,300	56,600
Total	11,200	7,800	10,600	7,600	37.0	35.3	392,500	268,300
Southwest Dist. 7								
Cottonwood (34)	18,000	10,500	17,500	10,400	40.3	39.0	705,400	405,800
Jackson (53)	4,000	2,200	4,000	2,200	39.5	39.9	158,100	87,800
Lincoln (25)	41,000	25,000	40,700	24,900	32.5	34.0	1,323,400	847,100
Lyon (28)	34,300	17,000	33,700	16,800	34.5	39.0	1,162,100	655,200
Murray (33)	19,400	11,200	19,100	11,100	30.3	37.0	578,200	410,900
Nobles (57)	3,400	2,200	3,400	1,900	39.9	38.3	135,800	72,800
Pipestone (49)	7,300	4,200	7,300	3,900	26.4	36.0	192,700	140,400
Redwood (26)	35,600	20,600	34,900	20,400	37.1	39.9	1,296,500	814,800
Rock (65)	2,300	1,000	2,300	1,000	28.7	35.0	66,000	35,000
Total	165,300	93,900	162,900	92,600	34.5	37.5	5,618,200	3,469,800
South Cent. Dist.8								
Blue Earth (35)	15,200	9,600	8,600	9,000	31.0	39.4	266,500	354,500
Brown (37)	14,400	9,000	12,400	8,600	34.6	38.7	429,500	333,000
Faribault (50)	6,900	4,300	5,800	4,100	31.8	32.8	184,600	134,400
Freeborn (51)	3,900	3,400	3,700	3,200	43.1	39.2	159,400	125,300
LeSueur (32)	18,100	11,400	16,800	11,100	43.7	38.0	734,800	421,800
Martin (69)	1,000	700	900	700	33.4	39.7	30,100	27,800
Nicollet (38)	10,700	7,400	9,700	7,200	41.8	42.9	405,800	308,800
Rice (45)	7,500	4,900	7,100	4,900	42.0	35.7	298,000	174,900
Steele (46)	8,800	4,700	8,400	4,700	40.9	36.8	343,800	172,900
Waseca (48)	4,800	4,100	4,400	4,100	40.0	36.8	176,000	150,700
Watonwan (54)	3,200	2,200	3,100	2,200	36.7	38.3	113,900	84,200
Total	94,500	61,700	80,900	59,800	38.8	38.3	3,142,400	2,288,300
Southeast Dist. 9								
Dakota (40)	14,500	6,300	14,100	6,000	39.5	35.5	557,600	212,700
Dodge (61)	4,100	1,500	4,100	1,400	41.9	36.9	171,600	51,700
Fillmore (64)	2,900	1,000	2,900	1,000	34.4	36.8	99,800	36,800
Goodhue (56)	6,600	2,100	6,600	2,100	39.5	37.2	260,700	78,100
Houston (80)	1,000	300	1,000	300	35.0	34.7	35,000	10,400
Mower (52)	7,900	2,400	7,800	2,300	41.8	38.9	326,000	89,500
Olmsted (66)	2,600	900	2,600	900	34.0	38.9	88,500	35,000
Wabasha (75)	2,000	600	2,000	500	37.3	36.6	74,600	18,300
Winona (63)	3,500	1,200	3,500	1,200	34.4	36.3	120,500	43,500
Total	45,100	16,300	44,600	15,700	38.9	36.7	1,734,300	576,000
STATE TOTAL	3,670,000	3,240,000	3,610,000	3,184,000	39.9	39.8	144,025,000	126,809,000

SPRING WHEAT: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (18)	65,500	62,300	64,900	61,600	42.0	38.0	2,725,000	2,340,800
Clay (05)	159,000	155,400	158,400	153,600	39.4	44.0	6,243,000	6,758,400
Clearwater (39)	9,100	8,300	8,500	8,200	29.5	28.0	251,000	229,600
Kittson (03)	274,200	265,800	273,800	263,000	41.5	41.6	11,350,000	10,951,200
Mahnomen (23)	31,200	31,800	30,400	31,600	37.9	42.0	1,152,000	1,327,200
Marshall (02)	377,100	341,700	375,500	330,600	43.6	37.0	16,358,000	12,232,200
Norman (04)	201,200	192,100	200,700	190,300	45.3	46.0	9,088,000	8,753,800
Pennington (12)	104,500	100,600	101,100	98,200	39.8	32.0	4,023,000	3,142,400
Polk (01)	383,700	390,100	382,300	381,900	44.5	44.0	17,019,000	16,803,600
Red Lake (20)	64,300	53,500	51,400	52,700	38.0	31.0	1,954,000	1,633,700
Roseau (06)	162,600	166,000	160,400	162,300	43.7	40.0	7,012,000	6,492,000
Total	1,832,400	1,767,600	1,807,400	1,734,000	42.7	40.8	77,175,000	70,664,900
North Cent. Dist. 2								
Beltrami (40)	7,300	7,400	6,700	7,000	27.3	26.0	182,800	182,000
Cass (75)	300	300	300	300	37.3	35.0	11,200	10,500
Hubbard (68)	700	600	700	600	35.0	32.0	24,500	19,200
Itasca (70)	1,500	1,500	1,500	500	37.6	35.0	56,400	17,500
Koochiching (55)	1,900	1,700	1,900	1,700	38.6	38.0	73,300	64,600
Lake of the Woods (31)	12,900	16,200	12,900	15,200	41.4	35.0	534,500	532,000
Total	24,600	27,700	24,000	25,300	36.8	32.6	882,700	825,800
Northeast Dist. 3								
St. Louis (59)	1,600	1,400	1,600	1,300	20.9	35.0	33,400	45,500
Total	1,600	1,400	1,600	1,300	20.9	35.0	33,400	45,500
West Cent. Dist. 4								
Big Stone (17)	84,100	83,700	83,700	83,100	32.5	31.0	2,719,000	2,576,100
Chippewa (14)	87,600	74,200	86,900	73,600	28.3	39.0	2,461,000	2,870,400
Douglas (24)	21,400	22,800	21,300	22,600	33.3	38.0	708,900	858,800
Grant (10)	101,900	83,900	101,500	83,400	40.0	41.0	4,063,000	3,419,400
Lac Qui Parle (09)	119,700	100,700	118,900	100,100	30.5	37.0	3,625,000	3,703,700
Otter Tail (16)	78,800	73,100	78,500	72,500	38.8	38.0	3,048,000	2,755,000
Pope (21)	40,800	39,700	40,500	38,700	39.5	41.0	1,600,000	1,586,700
Stevens (13)	91,000	78,100	90,400	77,700	42.8	40.0	3,868,000	3,108,000
Swift (15)	89,800	72,600	89,200	72,100	37.6	39.0	3,357,000	2,811,900
Traverse (08)	118,800	108,900	117,600	107,800	33.6	37.0	3,955,000	3,988,600
Wilkin (07)	139,000	137,100	138,500	136,200	36.6	42.0	5,064,100	5,720,400
Yellow Medicine (19)	62,900	56,900	62,100	56,300	33.5	39.0	2,081,000	2,195,700
Total	1,035,800	931,700	1,029,100	924,100	35.5	38.5	36,550,000	35,594,700
Central Dist. 5								
Carver (43)	4,700	3,500	4,600	3,500	47.8	46.0	220,100	161,000
Kandiyohi (22)	47,100	37,000	46,900	36,500	42.6	43.0	1,999,000	1,569,500
McLeod (27)	25,300	20,000	25,000	19,000	46.2	41.0	1,155,000	779,000
Meeker (29)	18,900	14,500	18,800	14,400	44.6	43.0	837,700	619,200
Morrison (69)	800	600	700	600	33.4	31.0	23,400	18,600
Renville (11)	94,100	74,900	92,500	72,600	43.9	46.0	4,059,100	3,339,600
Scott (44)	4,800	4,100	4,700	4,100	42.3	39.0	199,000	159,900
Sherburne (62)	1,600	1,200	1,600	1,200	27.4	30.0	43,800	36,000
Sibley (30)	13,800	13,100	13,700	12,900	45.5	45.0	623,400	580,700
Stearns (38)	7,200	7,000	7,100	7,000	35.4	33.0	251,300	231,000
Todd (41)	6,100	4,600	6,100	4,600	35.5	38.0	216,600	174,800
Wright (48)	3,100	3,000	3,100	2,900	41.5	41.0	128,700	118,900
Other Counties	600	400	600	400	34.8	32.5	20,900	13,000
Total	228,100	183,900	225,400	179,700	43.4	43.4	9,778,000	7,801,200

SPRING WHEAT: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82 (CONT.)

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Hennepin (60)	2,600	1,000	2,500	1,000	44.0	41.0	110,000	41,000
Isanti (71)	500	500	500	500	25.0	29.0	12,500	14,500
Washington (57)	1,600	1,500	1,500	1,400	40.3	37.0	60,400	51,800
Other Counties	2,100	2,000	2,000	2,000	33.0	34.1	66,000	68,200
Total	6,800	5,000	6,500	4,900	38.3	35.8	248,900	175,500
Southwest Dist. 7								
Cottonwood (33)	17,700	10,400	17,200	10,300	40.3	39.0	694,000	401,700
Jackson (52)	3,800	2,000	3,800	2,000	39.6	40.0	150,400	80,000
Lincoln (25)	38,700	24,500	38,600	24,400	32.6	34.0	1,260,000	829,600
Lyon (28)	33,700	16,800	33,100	16,600	34.6	39.0	1,144,000	647,400
Murray (32)	18,600	11,000	18,300	10,900	30.2	37.0	553,300	403,300
Nobles (56)	2,800	1,900	2,800	1,700	40.1	38.0	112,400	64,600
Pipestone (46)	6,800	4,000	6,800	3,900	26.5	36.0	179,900	140,400
Redwood (26)	33,600	20,200	33,000	20,000	37.3	40.0	1,232,000	800,000
Rock (64)	2,100	900	2,100	900	28.6	35.0	60,000	31,500
Total	157,800	91,700	155,700	90,700	34.6	37.5	5,386,000	3,398,500
South Cent. Dist. 8								
Blue Earth (36)	13,800	7,500	7,600	7,100	30.8	40.0	234,200	284,000
Brown (35)	12,900	7,600	11,000	7,400	35.1	39.0	386,400	288,600
Faribault (49)	5,900	3,400	4,900	3,400	32.0	33.0	156,900	112,200
Freeborn (50)	3,300	2,800	3,100	2,700	43.9	39.0	136,100	105,300
LeSueur (34)	14,400	8,200	13,500	8,100	43.8	38.0	591,200	307,800
Martin (67)	800	500	700	500	33.1	40.0	23,200	20,000
Nicollet (37)	9,800	6,500	8,800	6,400	42.0	43.0	369,300	275,200
Rice (45)	7,100	4,400	6,700	4,400	42.2	36.0	282,800	158,400
Steele (42)	7,600	4,500	7,300	4,500	41.0	37.0	299,500	166,500
Waseca (47)	4,300	3,600	3,900	3,600	40.0	37.0	157,500	133,200
Watonwan (54)	2,900	1,900	2,800	1,900	36.8	38.0	102,900	72,200
Total	82,800	50,900	70,300	50,000	39.0	38.5	2,740,000	1,923,400
Southeast Dist. 9								
Dakota (51)	8,500	2,800	8,400	2,800	42.1	35.0	353,800	98,000
Dodge (61)	3,000	1,000	3,000	1,000	42.3	37.0	127,000	37,000
Fillmore (65)	2,300	800	2,300	800	34.1	37.0	78,500	29,600
Goodhue (58)	3,800	1,300	3,800	1,300	41.4	38.0	157,500	49,400
Mower (53)	6,400	2,100	6,400	2,000	42.6	39.0	272,700	78,000
Olmsted (66)	2,000	700	2,000	700	34.7	40.0	69,400	28,000
Winona (63)	2,600	900	2,600	900	34.5	36.0	89,700	32,400
Other Counties	1,500	500	1,500	500	38.3	36.2	57,400	18,100
Total	30,100	10,100	30,000	10,000	40.2	37.1	1,206,000	370,500
STATE TOTAL	3,400,000	3,070,000	3,350,000	3,020,000	40.0	40.0	134,000,000	120,800,000



OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (25)	33,500	33,300	29,700	29,600	59.8	50.0	1,776,400	1,480,000
Clay (19)	17,500	25,400	17,000	24,900	69.7	68.0	1,184,900	1,693,200
Clearwater (35)	22,400	23,800	20,400	22,400	55.0	53.0	1,122,000	1,187,200
Kittson (34)	16,000	20,900	14,800	20,400	56.3	61.0	833,200	1,244,400
Mahnomen (56)	13,400	11,700	12,200	11,200	63.0	63.0	768,600	705,600
Marshall (08)	39,000	37,800	37,700	35,700	58.6	66.0	2,209,200	2,356,200
Norman (30)	19,700	23,100	18,800	20,400	73.5	65.0	1,381,000	1,326,000
Pennington (42)	22,100	17,500	20,900	16,900	56.0	60.0	1,170,400	1,014,000
Polk (41)	18,200	17,600	17,500	15,900	64.1	64.0	1,122,100	1,017,600
Red Lake (64)	10,200	9,700	9,000	9,200	55.5	56.0	499,500	515,200
Roseau (06)	47,200	55,300	46,500	53,000	67.2	65.0	3,125,000	3,444,900
Total	259,200	276,100	244,500	259,600	62.1	61.6	15,192,300	15,984,300
North Cent. Dist. 2								
Beltrami (51)	17,200	18,400	14,000	17,100	50.9	47.0	713,000	803,700
Cass (80)	5,900	8,900	3,200	6,000	48.1	38.0	154,000	228,000
Hubbard (74)	11,900	12,900	8,700	10,600	44.0	36.0	382,800	381,600
Itasca (82)	8,100	5,400	5,600	4,100	48.9	37.0	273,800	151,700
Koochiching (69)	6,600	8,600	5,800	7,900	52.0	53.0	301,600	418,700
Lake of the Woods (59)	10,100	11,200	8,700	10,700	52.5	60.0	456,700	642,000
Total	59,800	65,400	46,000	56,400	49.6	46.6	2,281,900	2,625,700
Northeast Dist. 3								
St. Louis (81)	7,200	8,600	4,600	5,300	45.4	37.0	208,900	196,100
Other Counties	200	200	100	0	45.0	0.0	4,500	0
Total	7,400	8,800	4,700	5,300	45.4	37.0	213,400	196,100
West Cent. Dist. 4								
Big Stone (43)	11,100	14,500	10,200	14,200	64.8	70.0	661,000	994,000
Chippewa (33)	12,900	16,600	11,700	15,400	57.5	81.0	672,600	1,247,400
Douglas (03)	53,700	59,700	51,500	58,400	62.8	69.0	3,234,000	4,029,500
Grant (57)	8,300	10,100	7,800	9,500	71.3	72.0	556,500	684,000
Lac Qui Parle (17)	14,500	27,600	13,100	24,400	58.8	72.0	770,300	1,756,800
Otter Tail (01)	121,800	127,400	116,800	123,300	58.2	58.0	6,797,800	7,151,300
Pope (04)	42,400	52,600	41,000	51,800	70.6	71.0	2,894,600	3,677,800
Stevens (21)	15,700	22,900	15,300	21,000	71.6	79.0	1,095,500	1,659,000
Swift (16)	18,700	26.400	18.300	25,000	68.9	71.0	1,261,000	1,775,000
Traverse (46)	12,100	15,500	11,800	14,800	64.0	64.0	755,200	947,200
Wilkin (55)	9,600	11,200	8,800	10,700	63.0	69.0	554,400	738,300
Yellow Medicine (32)	15,800	18,200	14,200	16,000	63.3	79.0	898,800	1,264,000
Total	336,600	402,700	320,500	384,500	62.9	67.4	20,151,700	25,924,300
Central Dist. 5								
Benton (44)	14,700	17,600	13,400	16,500	61.0	58.0	817,800	957,000
Carver (36)	15,100	15,900	13,300	14,300	85.3	80.0	1,134,000	1,144,000
Kandiyohi (07)	31,600	36,600	30,800	35,200	68.0	77.0	2,095,000	2,710,400
McLeod (29)	17,700	18,800	17,000	17,700	76.7	75.0	1,304,000	1,327,500
Meeker (31)	18,200	20,900	16,600	18,000	68.2	73.0	1,132,000	1,314,000
Morrison (13)	34,700	37,400	33,500	34,400	61.2	56.0	2,050,000	1,926,400
Renville (27)	24,700	18,000	23,200	16,400	71.1	87.0	1,650,000	1,426,800
Scott (58)	9,900	10,700	8,700	8,800	74.6	74.0	649,000	651,200
Sherburne (77)	5,800	6,600	5,400	5,500	45.0	52.0	243,000	286,000
Sibley (37)	13,400	15,300	11,900	13,900	86.7	82.0	1,031,700	1,139,800
Stearns (02)	97,500	102,100	90,800	92,600	68.3	67.0	6,202,500	6,204,100
Todd (05)	60,300	61,900	56,600	59,600	57.8	58.0	3,269,000	3,456,800
Wadena (60)	17,600	15,500	15,400	12,600	54.2	50.0	834,700	630,000
Wright (10)	29,500	32,800	28,200	31,200	70.3	70.0	1,981,900	2,184,000
Total	390,700	410,100	364,800	376,700	66.9	67.3	24,394,600	25,358,000

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82 (CONT.)

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (83)	5,800	4,300	3,800	3,300	46.2	44.0	175,700	145,200
Carlton (78)	8,900	8,500	6,600	5,600	49.5	45.0	326,700	252,000
Chisago (71)	8,300	8,200	7,500	7,400	47.3	55.0	355,100	407,000
Crow Wing (68)	6,700	9,600	5,800	8,800	49.9	49.0	289,400	431,200
Hennepin (75)	5,500	6,900	4,900	5,500	78.0	68.0	382,200	374,000
Isanti (70)	7,000	8,200	6,400	7,300	59.8	56.0	382,500	408,800
Kanabec (63)	10,100	11,100	9,100	9,400	57.7	59.0	525,300	554,600
Mille Lacs (52)	13,500	14,100	12,300	12,300	63.2	63.0	777,600	774,900
Pine (48)	17,100	19,000	14,100	17,000	51.6	51.0	727,800	867,000
Washington (76)	6,300	6,500	6,000	6,300	56.0	50.0	335,900	315,000
Other Counties	2,700	3,300	2,000	2,300	47.8	54.0	95,500	124,200
Total	91,900	99,700	78,500	85,200	55.7	54.6	4,373,700	4,653,900
Southwest Dist. 7								
Cottonwood (38)	8,600	15,200	7,200	13,600	65.2	81.0	469,400	1,101,600
Jackson (65)	6,200	7,900	5,300	6,300	62.0	79.0	328,400	497,700
Lincoln (09)	26,300	30,100	22,100	27,700	56.7	79.0	1,253,000	2,188,300
Lyon (15)	19,900	23,200	15,900	21,900	46.3	86.0	736,300	1,883,400
Murray (18)	21,100	25,200	18,500	22,100	45.5	78.0	841,800	1,723,800
Nobles (23)	14,000	20,000	11,800	17,900	67.3	84.0	794,200	1,503,600
Pipestone (12)	23,900	27,700	16,900	25,400	44.1	77.0	745,400	1,955,800
Redwood (28)	13,500	18,800	11,400	16,100	62.2	87.0	709,100	1,400,700
Rock (39)	18,200	17,700	11,200	14,100	52.7	78.0	590,300	1,099,800
Total	151,700	185,800	120,300	165,100	53.8	80.9	6,467,900	13,354,700
South Cent. Dist. 8								
Blue Earth (66)	6,100	7,600	2,600	6,800	51.3	71.0	133,400	482,800
Brown (26)	14,800	19,700	11,000	18,000	51.5	82.0	567,000	1,476,000
Faribault (67)	6,600	6,900	4,600	5,800	60.1	75.0	276,500	435,000
Freeborn (47)	13,600	17,700	12,100	15,600	51.4	59.0	622,400	920,400
LeSueur (72)	4,700	6,300	3,600	5,200	73.9	75.0	265,900	390,000
Martin (61)	7,900	8,900	6,700	6,800	73.5	85.0	492,500	578,000
Nicollet (53)	9,100	9,800	7,000	9,300	60.5	83.0	423,500	771,900
Rice (49)	12,500	15,200	10,600	12,800	73.7	67.0	780,900	857,600
Steele (62)	10,700	10,700	9,400	9,000	77.9	62.0	732,300	558,000
Waseca (73)	4,400	6,000	3,400	5,400	76.0	72.0	258,400	388,800
Watonwan (79)	3,800	3,700	2,300	2,900	50.7	82.0	116,600	237,800
Total	94,200	112,500	73,300	97,600	63.7	72.7	4,669,400	7,096,300
Southeast Dist. 9								
Dakota (50)	13,400	18,200	11,800	15,500	68.5	54.0	807,800	837,000
Dodge (54)	13,000	13,900	12,000	11,900	74.9	63.0	898,900	749,700
Fillmore (11)	36,300	40,000	30,200	35,200	70.7	62.0	2,136,000	2,182,400
Goodhue (14)	29,700	34,100	25,500	28,100	72.6	68.0	1,851,000	1,910,800
Houston (40)	18,100	23,900	14,600	17,500	60.7	60.0	886,200	1,050,000
Mower (45)	17,800	19,700	16,600	17,400	72.6	55.0	1,205,300	957,000
Olmsted (20)	26,200	31,000	24,200	27,200	69.1	61.0	1,672,000	1,659,200
Wabasha (22)	26,300	27,900	21,500	24,100	69.4	64.0	1,492,100	1,542,400
Winona (24)	27,700	30,200	21,000	22,700	66.5	66.0	1,395,800	1,498,200
Total	208,500	238,900	177,400	199,600	69.6	62.1	12,345,100	12,386,700
STATE TOTAL	1,600,000	1,800,000	1,430,000	1,630,000	63.0	66.0	90,090,000	107,580,000

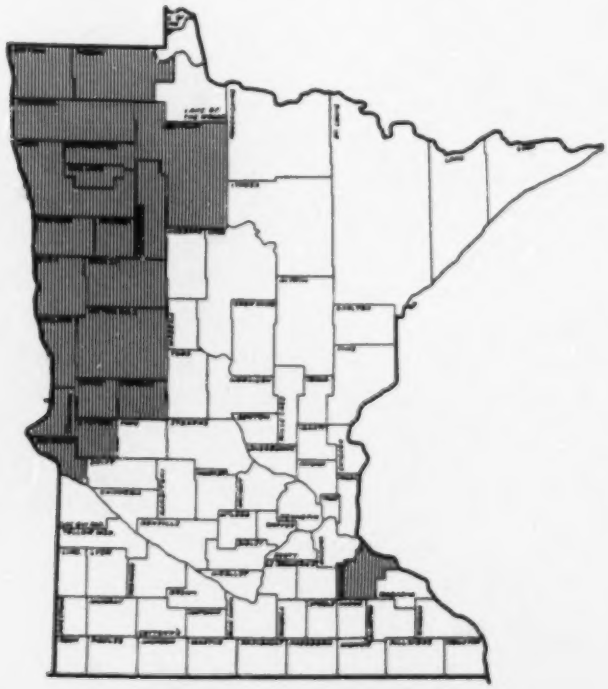
BARLEY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (07)	56,800	50,400	56,400	49,500	61.4	56.0	3,465,000	2,772,000
Clay (05)	93,400	70,100	91,700	69,100	60.7	63.0	5,565,000	4,353,300
Clearwater (18)	5,200	5,200	5,000	4,900	45.4	43.0	227,000	210,700
Kittson (06)	43,200	49,400	42,800	48,700	55.7	64.0	2,384,000	3,116,800
Mahnomen (08)	50,400	46,300	49,900	45,700	54.7	60.0	2,729,000	2,742,000
Marshall (03)	105,500	87,300	102,400	85,200	56.3	58.0	5,764,000	4,941,600
Norman (02)	105,900	98,000	105,800	96,900	60.0	65.0	6,352,000	6,298,500
Pennington (10)	52,500	45,400	51,700	44,100	50.9	47.0	2,634,000	2,072,700
Polk (01)	160,500	127,000	159,700	123,900	61.6	63.0	9,844,600	7,805,700
Red Lake (13)	38,000	25,500	35,900	25,000	48.7	49.0	1,748,000	1,225,000
Roseau (09)	42,800	42,000	39,300	40,600	52.6	59.0	2,066,000	2,395,400
TOTAL	754,200	646,600	740,600	633,600	57.8	59.9	42,778,600	37,933,700
North Cent. Dist. 2								
Beltrami (20)	4,900	3,700	4,600	3,600	40.0	43.0	184,000	154,800
Hubbard (23)	4,000	3,700	3,700	3,700	36.0	35.0	133,200	129,500
Koochiching (30)	1,800	1,500	1,800	1,500	45.0	42.0	81,000	63,000
Lake of the Woods (21)	4,400	3,000	4,100	2,900	48.1	48.0	197,100	139,200
Other Counties	900	700	900	700	41.2	40.0	37,100	28,000
TOTAL	16,000	12,600	15,100	12,400	41.9	41.5	632,400	514,500
Northeast Dist. 3								
Other Counties	1,800	500	1,800	400	38.2	37.0	68,800	14,800
TOTAL	1,800	500	1,800	400	38.2	37.0	68,800	14,800
West Cent. Dist. 4								
Big Stone (17)	14,100	9,400	14,000	9,000	49.9	50.0	698,000	450,000
Chippewa (28)	2,100	1,500	1,900	1,500	41.0	47.0	77,900	70,500
Douglas (16)	14,300	12,000	13,400	11,700	43.5	46.0	583,400	538,200
Grant (11)	39,300	30,600	39,100	30,000	54.1	55.0	2,117,000	1,651,000
Lac Qui Parle (29)	1,900	1,300	1,900	1,300	52.8	50.0	100,400	65,000
Otter Tail (12)	40,700	31,800	40,600	31,400	55.5	49.0	2,253,000	1,538,600
Pope (24)	3,100	2,000	3,000	1,900	40.2	55.0	120,600	104,500
Stevens (15)	22,100	19,300	21,800	19,100	56.4	55.0	1,230,000	1,050,500
Swift (22)	3,200	2,600	3,100	2,400	46.5	54.0	144,000	129,600
Traverse (14)	24,600	20,600	24,500	20,100	52.9	58.1	1,296,000	1,167,400
Wilkin (04)	80,000	77,300	79,000	76,500	51.7	57.0	4,085,000	4,360,500
Yellow Medicine (40)	800	600	800	600	45.0	50.0	36,000	30,000
TOTAL	246,200	209,000	243,100	205,500	52.4	54.3	12,741,300	11,155,800
Central Dist. 5								
Kandiyohi (32)	1,200	1,100	1,100	1,000	53.2	54.0	58,500	54,000
Renville (27)	1,800	1,700	1,700	1,500	58.0	50.0	98,600	75,000
Stearns (25)	2,500	2,400	2,300	2,200	41.0	47.0	94,400	103,400
Todd (36)	1,000	900	900	900	38.4	45.0	34,600	40,500
Wadena (47)	700	600	700	500	40.0	47.0	28,000	23,500
Other Counties	2,600	2,600	2,600	2,600	52.8	45.7	137,300	118,700
TOTAL	9,800	9,300	9,300	8,700	48.5	47.7	451,400	415,100
East Cent. Dist. 6								
Aitkin (39)	800	700	800	700	41.8	45.0	33,400	31,500
Carlton (45)	900	800	800	700	31.5	35.0	25,200	24,500
Chisago (41)	500	600	500	600	41.6	50.0	20,800	30,000
Other Counties	2,200	2,300	2,200	2,300	43.0	40.6	94,500	93,400
TOTAL	4,400	4,400	4,300	4,300	40.4	41.7	173,900	179,400

BARLEY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82 (CONT.)

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
Southwest Dist. 7								
Lincoln (26)	2,200	2,100	2,000	2,000	41.4	50.0	82,700	100,000
Lyon (34)	800	900	800	900	50.0	52.(	40,000	46,800
Murray (44)	400	500	400	500	44.0	51.0	17,600	25,500
Other Counties	1,600	1,500	1,600	1,500	53.1	53.7	84,900	80,500
TOTAL	5,000	5,000	4,800	4,900	46.9	51.6	225,200	252,800
South Cent. Dist. 8								
Blue Earth (38)	700	600	600	500	30.0	66.0	18,000	33,000
Rice (42)	600	500	500	500	54.8	56.0	27,400	28,000
Other Counties	1,200	1,400	1,200	1,300	54.8	54.9	65,800	71,400
TOTAL	2,500	2,500	2,300	2,300	48.3	57.6	111,200	132,400
Southeast Dist. 9								
Dakota (35)	1,200	1,000	1,100	900	54.0	48.0	59,400	43,200
Fillmore (46)	500	600	500	500	51.6	48.0	25,800	24,000
Goodhue (19)	4,500	4,200	3,400	3,000	59.9	57.0	203,700	171,000
Houston (37)	500	600	500	600	53.6	56.0	26,800	33,600
Olmsted (43)	400	500	400	500	59.5	56.0	23,800	28,000
Wabasha (31)	1,200	1,300	1,100	1,000	55.5	61.0	61,100	61,000
Winona (33)	1,200	1,100	1,100	800	56.2	60.0	61,800	48,000
Other Counties	600	800	600	600	58.0	54.5	34,800	32,700
TOTAL	10,100	10,100	8,700	7,900	57.1	55.9	497,200	441,500
STATE TOTAL	1,050,000	900,000	1,030,000	880,000	56.0	58.0	57,680,000	51,040,000

MINNESOTA'S TOP 20 BARLEY PRODUCING COUNTIES



Minnesota Barley Varieties

An estimated 93% of Minnesota's barley acreage was seeded to varieties recommended for malting by the Malting Barley Improvement Association. Morex remains the leading variety while Glenn remains in second place. Both Larker and Manker continued to decline in popularity while Bumper increased.

Morex was seeded on 67% (604,000 acres) of Minnesota's barley acreage in 1982. Last year, 65% of the acreage was in Morex and in 1980 was 66%. A breakdown by districts shows 62% of the acreage in the northwest was seeded to Morex and 83% in the west central.

Acreage planted to Glenn decreased from 204,200 in 1981 to 183,000 acres in 1982, but the proportion of acreage remained at 20%. Glenn remained more popular in the northwest than in the west central area. Acreage seeded to Glenn in the northwest changed from 23% in 1981 to 25% in 1982 while in the west central it went from 11% to 6%. Other areas of the state increased from 10% in 1981 to 21% in 1982.

Larker and Manker, once the major varieties, decreased even further to just 6% of the acreage or 54,000 acres compared to 11% and 113,300 acres in 1981. The major variety not recommended for malting by the Malting Barley Improvement Association is again Bumper. An estimated 3% (24,000 acres) of the state's acreage was seeded to Bumper in 1982 versus 1% and 10,500 acres in 1981. Most of the Bumper variety was seeded in the northwest district.

Other and unknown varieties total 4% of the acreage in 1982 compared to 3% during previous years. Included under other varieties are Bonanza and Conquest which are recommended for malting. The only variety not recommended for malting included under others is Nordic.

BARLEY VARIETIES: PERCENT OF ACREAGE SEEDED TO EACH VARIETY, MINNESOTA

Variety	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	- Percent -									
Morex	--	--	--	--	--	--	35	66	65	67
Glenn	--	--	--	--	--	--	--	4	20	20
Larker	82	75	73	67	74	65	43	15	8	4
Bumper	--	--	--	--	--	--	--	1	1	3
Manker	--	--	--	21	18	24	15	10	3	2
Beacon	--	10	12	6	2	2	2	1	1/	--
Nordic	6	5	7	3	2	1	2	1/	1/	1/
Bonanza	4	4	3	1	1	1	--	1/	1/	1/
Conquest	2	1	1	--	--	--	--	--	1/	1/
Cree	4	2	1	--	--	--	--	--	1/	--
Dickson	1	1	--	--	--	--	--	1/	--	--
Others and Unknown	1	2	3	2	3	7	3	3	3	4

MINNESOTA BARLEY VARIETIES BY SELECTED CROP REPORTING DISTRICTS, 1982

District	Percent of Total State Barley Acreage	Percent of Acreage Seeded To Each Variety					
		Morex	Glenn	Larker	Bumper	Manker	All Others and Unknown
	Percent	Percent					
Northwest District	72	62	25	4	3	3	3
West Central District	23	83	6	3	2	1/	6
All Other Districts	5	62	21	6	3	1/	8
STATE TOTAL	100	67	20	4	3	2	4

1/ Less than 1%, included in Other Varieties.

ALL SUNFLOWERS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Pounds		Pounds	
Northwest Dist. 1								
Becker (07)	32,800	24,900	32,800	24,700	1,453.4	1,482.1	47,670,000	36,609,000
Clay (04)	49,800	33,100	49,500	31,600	1,053.3	1,409.3	52,140,000	47,094,500
Clearwater (21)	6,500	4,300	6,500	3,900	1,061.5	1,250.0	6,900,000	4,875,000
Kittson (14)	38,800	25,300	36,400	19,400	1,032.4	1,004.4	37,580,000	19,485,000
Mahnomen (13)	17,600	13,500	17,600	13,400	1,115.2	1,525.0	19,628,000	20,435,000
Marshall (09)	59,100	39,900	57,900	34,600	1,139.6	909.0	65,984,000	31,450,000
Norman (01)	76,700	61,400	75,900	60,400	1,263.7	1,424.7	95,918,000	86,052,000
Pennington (08)	49,700	38,700	49,200	34,200	1,132.8	1,020.2	55,736,000	34,890,000
Polk (02)	95,200	66,500	93,900	62,000	1,167.1	1,387.5	109,536,000	86,023,500
Red Lake (15)	31,800	24,100	29,400	23,300	954.0	780.9	28,049,000	18,195,000
Roseau (06)	39,300	31,500	39,200	30,200	1,208.8	1,238.0	47,383,000	37,387,500
Total	497,300	363,200	488,300	337,700	1,160.3	1,251.1	566,574,000	422,496,500
North Cent. Dist. 2								
Beltrami (25)	4,500	3,000	4,500	2,700	1,181.1	1,185.2	5,225,000	3,200,000
Hubbard (34)	1,000	800	1,000	700	1,200.0	1,200.0	1,200,000	840,000
Koochiching (45)	600	400	600	300	1,325.0	1,000.0	795,000	300,000
Lake of the Woods (27)	1,800	2,500	1,800	2,200	1,250.0	1,025.0	2,250,000	2,255,000
Total	7,900	6,700	7,900	5,900	1,198.7	1,117.8	9,470,000	6,595,000
West Cent. Dist. 4								
Big Stone (17)	16,000	11,500	15,800	11,300	1,149.7	1,440.0	18,165,000	16,272,000
Chippewa (20)	5,000	3,600	4,600	3,500	1,250.0	1,525.0	5,750,000	5,337,500
Douglas (22)	5,000	2,800	4,900	2,500	1,050.0	1,600.0	5,145,000	4,000,000
Grant (12)	19,800	14,400	19,600	14,300	1,200.0	1,635.0	23,520,000	23,380,500
Lac Qui Parle (26)	2,000	1,700	1,900	1,700	1,050.0	1,420.0	1,995,000	2,414,000
Otter Tail (16)	17,100	11,700	16,800	11,600	1,011.9	1,500.0	17,000,000	17,400,000
Pope (19)	4,900	3,500	4,900	3,400	1,338.0	1,600.0	6,556,000	5,440,000
Stevens (11)	22,200	15,600	22,000	15,400	1,250.0	1,537.1	27,500,000	23,672,000
Swift (10)	21,800	18,100	20,200	16,500	1,350.0	1,475.0	27,270,000	24,337,500
Traverse (05)	37,400	28,700	28,500	27,700	1,048.9	1,546.4	29,895,000	42,835,000
Wilkin (03)	50,900	35,100	50,200	34,500	981.5	1,525.0	49,273,000	52,612,500
Yellow Medicine (18)	5,600	4,500	5,500	4,300	1,400.0	1,500.0	7,700,000	6,450,000
Total	207,700	151,200	194,900	146,700	1,127.6	1,528.0	219,769,000	224,151,000
Cent. Dist. 5								
Kandiyohi (33)	1,300	600	1,300	600	1,300.0	1,450.0	1,690,000	870,000
Morrison (37)	100	600	100	600	1,150.0	1,066.7	115,000	640,000
Renville (24)	3,200	2,700	3,200	2,600	1,300.0	1,400.0	4,160,000	3,640,000
Stearns (23)	4,300	4,000	4,300	3,700	1,300.0	1,081.1	5,590,000	4,000,000
Other Counties	1,700	1,700	1,700	1,600	1,309.0	1,311.0	2,225,000	2,097,500
Total	10,600	9,600	10,600	9,100	1,300.0	1,236.0	13,780,000	11,247,500
East Cent. Dist. 6								
Crow Wing (32)	1,400	1,000	1,400	900	1,100.0	1,038.9	1,540,000	935,000
Isanti (36)	900	700	900	600	1,100.0	1,100.0	990,000	660,000
Other Counties	1,200	1,000	1,200	800	1,096.0	1,244.0	1,315,000	995,000
Total	3,500	2,700	3,500	2,300	1,098.6	1,126.1	3,845,000	2,590,000
Southwest Dist. 7								
Jackson (28)	600	800	600	800	1,200.0	1,320.0	720,000	1,056,000
Lincoln (31)	1,300	1,000	1,300	900	1,500.0	1,080.0	1,950,000	972,000
Lyon (35)	1,000	700	1,000	600	1,350.0	1,200.0	1,350,000	720,000
Pipestone (29)	1,100	800	1,100	700	1,200.0	1,425.0	1,320,000	997,500
Other Counties	1,700	1,200	1,700	1,200	1,368.0	1,319.0	2,325,000	1,582,500
Total	5,700	4,500	5,700	4,200	1,344.7	1,268.6	7,665,000	5,328,000
South Cent. Dist. 8								
Blue Earth (30)	500	700	300	700	850.0	1,400.0	255,000	980,000
Other Counties	1,400	1,000	1,400	1,000	1,194.0	1,313.0	1,672,000	1,312,500
Total	1,900	1,700	1,700	1,700	1,133.5	1,348.5	1,927,000	2,292,500
Southeast Dist. 9								
All Counties	400	400	400	400	1,300.0	1,349.0	520,000	539,500
Total	400	400	400	400	1,300.0	1,349.0	520,000	539,500
STATE TOTAL	735,000	540,000	713,000	508,000	1,155.0	1,329.2	823,550,000	675,240,000

ALL HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1982-81

District, County and County Rank in 1982 Production ()	Acreage Harvested		Yield Per Harvested Acre		Production	
	1981	1982	1981	1982	1981	1982
	Acres		Tons		Tons	
Northwest Dist. 1						
Becker (13)	59,600	56,900	2.3	2.8	137,700	157,900
Clay (52)	22,100	21,200	3.1	2.7	67,800	58,100
Clearwater (29)	43,800	43,800	2.5	2.2	108,300	97,600
Kittson (80)	12,200	12,400	2.5	2.1	30,500	25,700
Mahnomen (59)	25,900	22,800	3.3	2.4	84,200	53,600
Marshall (27)	39,400	37,600	2.6	2.7	101,800	101,000
Norman (64)	21,100	19,600	2.9	2.4	61,100	47,700
Pennington (45)	23,500	23,500	2.4	3.0	55,700	70,200
Polk (32)	44,000	43,400	2.4	2.1	105,900	92,900
Red Lake (78)	14,200	14,700	2.3	2.1	32,800	30,500
Roseau (14)	63,600	64,200	2.3	2.3	143,400	147,800
Total	369,400	360,100	2.5	2.5	929,200	883,000
North Cent. Dist. 2						
Beltrami (26)	54,100	55,500	1.9	1.9	104,000	103,400
Cass (33)	50,900	53,600	1.8	1.7	92,200	89,500
Hubbard (48)	38,000	36,900	2.0	1.8	77,300	65,400
Itasca (23)	49,000	53,700	2.2	2.0	108,800	108,800
Koochiching (56)	27,100	27,500	2.1	2.0	57,000	55,700
Lake of the Woods (53)	24,000	23,800	2.1	2.4	50,000	57,500
Total	243,100	251,000	2.0	1.9	489,300	480,300
Northeast Dist. 3						
Cook (87)	800	800	1.5	1.6	1.200	1,300
Lake (85)	1,700	1,800	1.6	1.6	2,700	2,900
St. Louis (18)	69,200	72,500	1.4	1.7	99,700	125,600
Total	71,700	75,100	1.4	1.7	103,600	129,800
West Cent. Dist. 4						
Big Stone (72)	12,000	12,200	3.2	2.9	38,900	35,500
Chippewa (76)	8,800	9,100	2.8	3.5	24,500	32,200
Douglas (17)	42,700	40,100	2.8	3.2	120,500	130,200
Grant (71)	11,300	10,700	2.8	3.5	31,500	37,500
Lac Qui Parle (70)	13,800	13,800	2.5	2.8	34,200	38,600
Otter Tail (01)	169,500	167,500	2.5	2.8	428,900	474,700
Pope (25)	30,800	29,700	2.9	3.5	89,600	103,800
Stevens (74)	9,400	9,100	3.8	3.8	36,100	34,800
Swift (68)	15,700	14,700	2.6	2.9	41,400	42,400
Traverse (83)	8,700	8,600	2.7	2.5	23,300	21,800
Wilkin (73)	15,900	14,500	2.6	2.4	41,300	34,900
Yellow Medicine (58)	16,300	16,000	3.1	3.4	51,200	53,900
Total	354,900	346,000	2.7	3.0	961,400	1,040,300
Central Dist. 5						
Benton (22)	42,400	39,400	3.0	2.9	127,300	113,600
Carver (15)	32,400	33,900	4.0	4.0	128,000	137,100
Kandiyohi (21)	29,800	29,400	3.7	3.9	109,000	115,900
McLeod (37)	25,700	23,900	4.2	3.5	107,200	84,400
Meeker (31)	27,100	28,600	3.3	3.3	88,700	94,900
Morrison (05)	81,100	87,500	2.6	2.8	212,500	243,400
Renville (67)	11,500	12,000	4.0	3.7	46,300	44,500
Scott (34)	21,100	21,600	3.6	4.0	75,800	87,100
Sherburne (51)	19,200	18,400	2.7	3.2	52,600	59,700
Sibley (36)	20,500	22,000	3.7	3.9	76,700	85,000
Stearns (02)	139,800	134,200	3.6	3.5	509,400	470,100
Todd (07)	92,100	89,400	2.8	2.6	257,800	232,600
Wadena (16)	56,300	56,600	2.2	2.4	126,200	135,400
Wright (12)	52,100	52,100	3.6	3.5	187,200	180,700
Total	651,100	649,000	3.2	3.2	2,104,700	2,084,400

ALL HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82 (CONT.)

District, County and County Rank in 1982 Production ()	Acreage Harvested		Yield Per Harvested Acre		Production	
	1981	1982	1981	1982	1981	1982
	Acres		Tons		Tons	
East Cent. Dist. 6						
Aitkin (24)	65,700	64,300	1.9	1.7	123,200	106,200
Anoka (75)	12,800	12,900	2.9	2.6	36,700	33,700
Carlton (28)	52,900	56,600	1.9	1.8	99,400	99,600
Chisago (41)	25,100	26,800	2.7	2.8	68,200	76,000
Crow Wing (60)	26,800	27,600	2.0	1.9	53,300	53,500
Hennepin (46)	18,800	19,900	3.7	3.4	69,300	67,900
Isanti (61)	19,000	20,800	2.9	2.5	55,600	51,500
Kanabec (30)	37,200	41,300	2.5	2.3	93,900	96,200
Mille Lacs (20)	39,500	44,000	3.0	2.7	117,200	120,900
Pine (11)	84,700	87,100	2.2	2.1	189,200	181,200
Ramsey (86)	800	800	2.4	2.4	1,900	1,900
Washington (50)	21,900	24,500	2.8	2.5	61,900	60,900
Total	405,200	426,600	2.4	2.2	969,800	949,500
Southwest Dist. 7						
Cottonwood (62)	11,900	12,500	3.2	4.1	38,500	51,000
Jackson (79)	8,500	8,900	2.9	2.9	24,800	26,000
Lincoln (35)	27,000	28,000	2.3	3.1	62,100	87,000
Lyon (44)	22,300	21,400	2.5	3.5	55,600	74,300
Murray (40)	21,300	21,800	3.1	3.5	67,000	76,200
Nobles (49)	16,500	16,100	3.3	4.0	53,900	63,900
Pipestone (47)	22,300	23,200	2.8	2.9	62,200	66,400
Redwood (54)	12,800	13,400	3.1	4.3	39,900	57,000
Rock (55)	18,500	17,900	3.0	3.1	56,200	55,800
Total	161,100	163,200	2.9	3.4	460,200	557,600
South Cent. Dist. 8						
Blue Earth (82)	7,000	6,800	3.3	3.5	23,000	23,700
Brown (39)	18,200	18,000	3.6	4.3	65,800	77,800
Faribault (81)	7,300	6,800	3.3	3.6	24,000	24,800
Freeborn (66)	14,600	13,900	3.2	3.3	47,400	46,300
LeSueur (57)	18,800	17,400	3.6	3.2	67,500	54,900
Martin (69)	9,900	9,800	3.8	4.3	37,300	42,200
Nicollet (65)	11,100	12,100	4.3	3.9	47,200	47,200
Rice (19)	33,700	31,800	4.2	3.8	141,400	121,000
Steele (63)	16,000	15,700	4.1	3.1	65,700	48,500
Waseca (77)	9,900	9,700	3.9	3.2	39,000	31,000
Watonwan (84)	6,000	5,700	3.9	3.3	23,200	18,800
Total	152,500	147,700	3.8	3.6	581,500	536,200
Southeast Dist. 9						
Dakota (42)	18,500	19,900	3.6	3.8	67,500	76,000
Dodge (38)	22,900	23,800	3.8	3.5	87,400	83,800
Fillmore (03)	76,900	76,100	3.6	3.3	278,500	248,500
Goodhue (04)	71,800	70,600	3.5	3.5	251,500	245,800
Houston (09)	56,800	59,000	3.4	3.5	190,900	206,600
Mower (43)	22,600	22,300	3.3	3.4	75,100	75,400
Olmsted (08)	55,200	55,600	3.8	4.0	208,800	222,500
Wabasha (10)	59,200	55,800	3.6	3.7	210,600	204,300
Winona (06)	67,100	68,200	3.5	3.5	236,000	240,000
Total	451,000	451,300	3.6	3.6	1,606,300	1,602,900
STATE TOTAL	2,860,000	2,870,000	2.9	2.9	8,206,000	8,264,000

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

District, County and County Rank in 1982 Production ()	Acreage Harvested		Yield Per Harvested Acre		Production	
	1981	1982	1981	1982	1981	1982
	Acres		Tons		Tons	
North Cent. Dist. 1						
Becker (12)	46,900	43,400	2.4	3.1	111,800	135,500
Clay (46)	17,300	16,400	3.4	3.1	59,100	50,900
Clearwater (32)	31,800	30,800	2.6	2.2	83,000	69,000
Kittson (80)	8,900	8,600	2.8	2.3	25,000	19,700
Mahnomen (44)	24,400	21,100	3.4	2.5	82,300	51,700
Marshall (19)	32,500	29,600	2.7	3.0	88,800	88,900
Norman (55)	18,000	16,200	3.1	2.6	56,300	41,500
Pennington (37)	17,300	16,800	2.8	3.5	47,900	58,100
Polk (26)	30,400	28,400	2.6	2.6	79,700	72,900
Red Lake (77)	9,200	9,600	2.7	2.2	25,100	20,700
Roseau (16)	42,900	42,200	2.5	2.5	105,800	106,100
Total	279,600	263,100	2.7	2.7	764,800	715,000
North Cent. Dist. 2						
Beltrami (31)	36,300	35,600	2.2	1.9	80,600	69,100
Cass (71)	14,600	13,600	2.5	1.9	37,000	26,000
Hubbard (64)	18,100	15,200	2.2	2.0	40,500	31,000
Itasca (76)	12,800	12,200	2.4	1.7	31,000	20,800
Koochiching (69)	10,800	10,500	2.5	2.8	27,200	28,900
Lake of the Woods (53)	17,200	17,000	2.1	2.5	36,900	43,000
Total	109,800	104,100	2.3	2.1	253,200	218,800
Northeast Dist. 3						
St. Louis (82)	9,300	8,900	2.3	2.1	21,100	18,600
Other Counties	300	200	2.0	2.5	600	500
Total	9,600	9,100	2.3	2.1	21,700	19,100
West Cent. Dist. 4						
Big Stone (65)	8,900	8,800	3.8	3.4	33,500	30,100
Chippewa (66)	7,300	7,500	3.0	4.0	22,100	29,900
Douglas (14)	35,300	32,200	3.0	3.5	105,200	111,900
Grant (61)	9,100	8,900	3.0	3.7	27,300	33,300
Lac Qui Parle (67)	9,600	9,200	2.9	3.2	28,200	29,300
Otter Tail (02)	130,900	126,400	2.6	2.9	345,000	370,400
Pope (18)	25,500	24,400	3.0	3.8	77,000	92,200
Stevens (62)	8,700	8,400	4.0	3.9	34,400	32,900
Swift (59)	11,500	10,400	3.0	3.3	34,800	34,300
Traverse (81)	7,700	7,400	2.8	2.7	21,300	19,700
Wilkin (72)	9,200	8,200	3.3	3.0	30,800	24,200
Yellow Medicine (60)	11,500	10,800	3.4	3.1	38,700	33,800
Total	275,200	262,600	2.9	3.2	798,300	842,000
Cent. Dist. 5						
Benton (23)	25,300	24,500	3.1	3.0	78,800	74,300
Carver (13)	28,300	29,600	4.1	4.2	116,700	123,900
Kandiyohi (17)	26,600	25,800	3.8	4.1	101,800	105,300
McLeod (28)	21,700	19,700	4.4	3.6	94,500	71,900
Meeker (20)	23,800	24,800	3.5	3.5	82,200	85,800
Morrison (10)	52,000	53,700	2.8	3.1	147,100	163,800
Renville (58)	9,200	9,700	4.3	3.7	39,400	36,200
Scott (22)	18,100	18,700	3.7	4.1	66,400	77,500
Sherburne (43)	15,900	14,700	2.8	3.5	45,000	51,800
Sibley (24)	16,800	18,300	4.0	4.0	67,600	74,100
Stearns (01)	117,400	109,400	3.7	3.5	440,200	384,800
Todd (05)	69,900	66,800	3.1	2.8	214,900	189,200
Wadena (33)	31,500	30,100	2.4	2.3	75,800	68,100
Wright (11)	44,400	44,000	3.7	3.6	163,900	156,400
Total	500,900	489,800	3.5	3.4	1,734,300	1,663,100

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82 (CONT.)

District, County and County Rank in 1982 Production ()	Acreage Harvested		Yield Per Harvested Acre		Production	
	1981	1982	1981	1982	1981	1982
	Acres		Tons		Tons	
East Cent. Dist. 6						
Aitkin (83)	8,300	9,100	2.2	2.0	18,400	18,600
Anoka (73)	8,200	8,300	3.2	2.8	26,600	23,100
Carlton (68)	13,400	14,000	2.2	2.1	29,400	29,100
Chisago (42)	16,100	17,500	3.0	3.1	48,900	53,400
Crow Wing (74)	8,700	8,400	2.1	2.7	18,500	22,900
Hennepin (36)	16,100	17,100	3.9	3.5	62,400	59,300
Isanti (57)	12,300	13,900	3.2	2.7	39,500	37,000
Kanabec (50)	16,000	18,400	3.0	2.6	48,200	47,400
Mille Lacs (38)	19,600	21,600	3.4	2.7	66,300	57,600
Pine (21)	34,700	32,300	2.9	2.4	100,100	79,100
Ramsey (85)	700	600	2.4	2.3	1,700	1,400
Washington (45)	18,400	20,800	2.9	2.5	52,800	51,200
Total	172,500	182,000	3.0	2.6	512,800	480,100
Southwest Dist. 7						
Cottonwood (49)	10,900	11,300	3.3	4.3	35,900	48,200
Jackson (75)	6,900	7,100	3.1	3.1	21,700	21,700
Lincoln (29)	20,600	21,800	2.4	3.3	49,300	71,900
Lyon (35)	17,500	16,100	2.6	3.7	44,900	60,200
Murray (30)	19,300	19,600	3.2	3.5	61,700	69,400
Nobles (40)	14,100	13,500	3.3	4.1	46,900	55,100
Pipestone (41)	17,400	17,700	3.0	3.0	52,600	53,700
Redwood (47)	10,200	10,800	3.4	4.7	34,300	50,400
Rock (52)	15,100	14,000	3.2	3.2	48,200	44,700
Total	132,000	131,900	3.0	3.6	395,500	475,300
South Cent. Dist. 8						
Blue Earth (78)	6,100	5,700	3.4	3.6	21,000	20,600
Brown (25)	17,400	16,900	3.6	4.4	63,300	74,100
Faribault (79)	5,400	5,000	3.6	4.0	19,600	20,000
Freeborn (56)	12,800	11,900	3.3	3.4	42,100	40,800
LeSueur (48)	16,700	15,100	3.8	3.3	63,100	49,300
Martin (63)	7,400	7,100	3.9	4.5	29,100	31,900
Nicollet (54)	9,900	10,700	4.4	4.0	43,800	42,400
Rice (15)	31,000	28,900	4.3	3.8	131,800	111,200
Steele (51)	14,900	14,400	4.2	3.1	61,900	44,800
Waseca (70)	9,000	8,600	4.0	3.2	36,400	27,400
Watonwan (84)	4,800	4,400	4.0	3.3	19,300	14,400
Total	135,400	128,700	3.9	3.7	531,400	476,900
Southeast Dist. 9						
Dakota (39)	12,800	14,400	3.7	4.0	47,200	57,400
Dodge (27)	19,300	19,800	3.9	3.6	75,900	72,000
Fillmore (04)	65,600	63,000	3.7	3.2	240,800	202,600
Goodhue (03)	66,200	64,300	3.5	3.5	232,500	225,800
Houston (08)	50,000	51,700	3.4	3.5	172,300	181,600
Mower (34)	19,900	19,100	3.3	3.4	66,300	65,600
Olmsted (09)	45,200	44,300	3.9	4.0	175,000	179,400
Wabasha (06)	53,200	49,400	3.6	3.7	190,000	182,700
Winona (07)	52,800	52,700	3.6	3.5	188,000	182,600
Total	385,000	378,700	3.6	3.6	1,388,000	1,349,700
STATE TOTAL	2,000,000	1,950,000	3.2	3.2	6,400,000	6,240,000

POTATOES: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

District and County	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Cwt.		Cwt.	
Northwest Dist. 1								
Clay	9,100	8,500	9,000	8,300	165	165	1,485,000	1,369,500
Kittson	4,800	4,500	4,700	4,300	150	130	705,000	559,000
Marshall	11,300	11,300	11,100	11,000	160	140	1,776,000	1,540,000
Norman	2,000	2,200	1,900	2,100	170	150	323,000	315,000
Polk	25,800	26,100	24,600	24,900	160	155	3,936,000	3,859,500
Other Districts								
Lake of the Woods	600	600	600	600	155	165	93,000	99,000
Sherburne	4,000	4,100	3,900	4,000	300	295	1,170,000	1,180,000
Anoka	600	500	600	500	240	245	144,000	122,500
Hennepin	1,100	1,100	1,100	1,100	240	235	264,000	258,500
Freeborn	4,300	4,100	3,500	3,800	235	210	822,500	798,000
All Other Counties	15,600	14,700	15,100	10,000	280	330	4,228,500	3,300,000
STATE TOTAL	79,200	77,700	76,100	70,600	196	190	14,947,000	13,401,000

SUGARBEETS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

District and County	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Tons		Tons	
Northwest Dist. 1								
Clay	45,100	44,800	44,800	44,700	17.1	17.6	766,600	786,800
Kittson	11,300	11,300	11,300	11,200	18.6	16.5	210,500	184,900
Marshall	18,600	18,600	18,600	18,200	17.8	14.7	331,400	267,600
Norman	20,500	21,000	20,100	20,800	19.2	19.9	386,200	414,000
Polk	71,300	70,900	70,900	70,800	18.9	18.0	1,340,900	1,274,500
West Cent. Dist. 4								
Chippewa	18,800	17,200	18,300	17,100	14.1	22.1	258,200	378,000
Grant	5,400	5,500	5,300	5,400	15.6	19.6	82,900	105,800
Lac Qui Parle	1,300	1,300	1,300	1,200	13.6	14.9	17,700	17,900
Swift	4,100	3,600	3,900	3,600	12.4	19.8	48,500	71,300
Traverse	5,400	4,400	5,300	4,300	13.6	17.7	72,300	76,100
Wilkin	21,400	22,600	21,200	22,400	16.3	20.4	346,000	457,100
Yellow Medicine	900	1,300	900	1,300	17.7	20.2	15,900	26,300
Selected Counties								
Kandiyohi	4,400	5,400	4,300	5,300	15.4	21.6	66,400	114,600
Renville	22,900	20,700	22,700	20,400	15.4	22.4	349,800	457,100
Sibley	1,000	600	1,000	500	14.4	23.0	14,400	11,500
Redwood	2,100	1,100	1,800	1,100	14.1	23.2	25,400	25,500
Faribault	1,900	1,900	1,700	1,900	16.1	17.2	27,400	32,700
All Other Counties	2,600	2,800	2,600	2,800	16.3	19.4	42,500	54,300
STATE TOTAL	259,000	255,000	256,000	253,000	17.2	18.8	4,403,000	4,756,000

FLAX: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

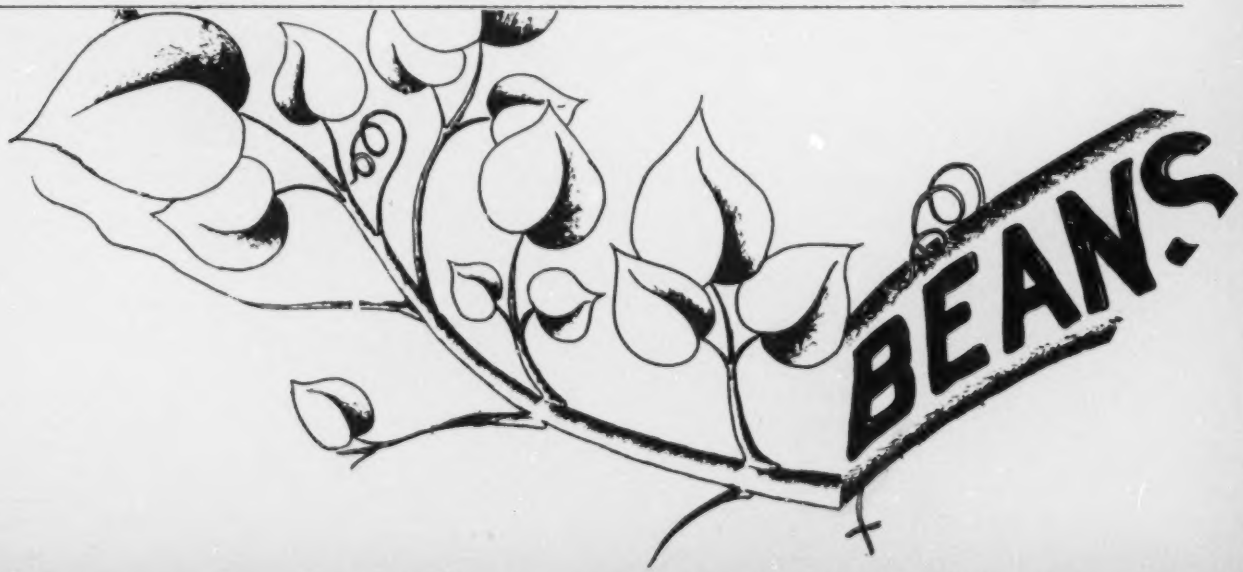
District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (08)	4,000	4,100	3,700	4,000	11.1	13.0	41,100	52,000
Clay (10)	2,900	3,000	2,700	2,700	11.6	17.5	31,400	47,300
Clearwater (25)	900	900	800	600	13.0	15.0	10,400	9,000
Kittson (20)	1,000	1,100	800	800	12.4	16.0	9,900	12,800
Mahnomen (18)	1,100	1,100	900	1,000	12.0	13.0	10,800	13,000
Marshall (04)	10,100	10,400	9,200	7,500	14.2	14.5	130,500	108,800
Norman (22)	800	800	700	700	15.0	15.0	10,500	10,500
Pennington (14)	3,000	3,100	2,600	2,500	13.7	10.0	35,600	25,000
Polk (05)	8,100	8,300	7,500	7,100	12.1	12.0	90,800	85,200
Red Lake (21)	900	1,000	700	900	13.0	12.0	9,100	10,800
Roseau (01)	41,800	43,100	36,900	39,600	11.9	15.0	440,900	594,100
Total	74,600	76,900	66,500	67,400	12.3	14.4	821,000	968,500
North Cent. Dist. 2								
Lake of the Woods (06)	5,200	6,500	4,700	6,500	12.4	12.5	58,200	81,000
Other Counties	800	1,100	700	1,100	9.8	9.8	8,200	10,800
Total	6,000	7,600	5,400	7,600	12.3	12.1	66,400	91,800
Northeast Dist. 3								
St. Louis (27)	300	600	300	600	11.0	12.0	3,300	7,200
Total	300	600	300	600	11.0	12.0	3,300	7,200
West Cent. Dist. 4								
Big Stone (07)	3,500	3,800	3,300	3,800	14.0	15.0	46,200	57,000
Douglas (11)	2,300	2,500	2,100	2,500	13.5	16.0	28,400	40,000
Grant (13)	1,800	1,900	1,600	1,700	14.0	15.5	22,400	26,400
Lac Qui Parle (16)	1,200	1,300	1,100	1,300	15.5	16.0	17,100	20,800
Otter Tail (12)	2,300	2,500	1,900	2,200	13.5	15.5	25,700	34,100
Stevens (23)	600	700	500	700	12.0	14.0	6,000	9,800
Swift (26)	600	600	600	600	12.8	14.0	7,700	8,400
Traverse (09)	3,400	3,700	3,100	3,700	13.5	14.0	41,900	51,800
Wilkin (15)	1,200	1,300	1,100	1,300	15.5	16.5	17,000	21,500
Yellow Medicine (17)	900	1,000	700	1,000	15.0	16.0	10,500	16,000
Other Counties	500	500	500	500	13.6	14.4	6,800	7,200
Total	18,300	19,800	16,500	19,300	13.9	15.2	229,700	293,000
Southwest Dist. 7								
Lincoln (02)	9,200	8,100	9,000	8,100	11.9	19.0	107,100	153,900
Lyon (24)	600	500	600	500	11.0	19.0	6,600	9,500
Murray (19)	800	700	700	700	13.0	18.5	9,100	13,000
Pipestone (03)	4,800	5,800	4,600	5,800	11.4	19.5	52,400	113,100
Other Counties	100	0	100	0	12.0	0.0	1,200	0
Total	15,500	15,100	15,000	15,100	11.8	19.2	176,400	289,500
All Other Counties	300	0	300	0	10.7	0.0	3,200	0
STATE TOTAL	115,000	120,000	104,000	110,000	12.5	15.0	1,300,000	1,650,000

RYE: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1981-82

District, County and County Rank in 1982 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (18)	1,500	2,100	1,400	1,800	31.4	32.0	44,000	57,600
Clay (19)	1,800	1,900	1,700	1,500	31.3	33.0	53,200	49,500
Clearwater (36)	600	900	600	800	30.8	30.0	18,500	24,000
Kittson (17)	2,100	2,000	1,700	1,600	28.0	37.0	47,600	59,200
Mahnomen (15)	1,700	2,100	1,600	1,700	33.0	38.0	52,800	64,600
Marshall (03)	3,100	5,700	2,800	4,900	34.5	32.0	96,600	156,800
Norman (14)	1,800	2,000	1,700	1,800	32.3	36.0	54,900	64,800
Pennington (25)	1,300	1,400	1,200	1,200	25.0	33.0	30,000	39,600
Polk (04)	4,900	5,100	4,600	4,400	30.7	31.0	141,200	136,400
Red Lake (35)	1,000	1,000	800	800	28.5	31.0	22,800	27,900
Roseau (20)	1,600	1,800	1,400	1,500	25.9	33.0	36,300	49,500
Total	21,400	26,000	19,500	22,100	30.7	33.0	597,900	729,900
North Cent. Dist. 2								
Beltrami (38)	400	800	300	700	29.7	30.0	8,900	21,000
Cass (48)	200	700	200	600	28.5	27.0	5,700	16,200
Itasca (32)	500	1,000	400	900	30.0	32.0	12,000	28,800
Lake of the Woods (54)	300	600	200	500	27.5	27.0	5,500	13,500
Other Counties	500	800	400	700	31.5	30.4	12,600	21,300
Total	1,900	3,900	1,500	3,400	29.8	29.6	44,700	100,800
West Cent. Dist. 4								
Big Stone (07)	3,000	3,400	2,800	2,900	22.5	39.0	63,000	113,100
Douglas (09)	2,700	2,800	2,500	2,500	27.0	33.0	67,600	82,500
Grant (27)	1,200	1,200	1,100	1,000	27.0	37.0	29,700	37,000
Lac Qui Parle (31)	900	1,000	800	900	30.0	35.0	24,000	31,500
Otter Tail (05)	5,100	4,900	4,800	4,200	27.0	32.0	129,400	134,400
Pope (26)	1,400	1,500	1,300	1,200	26.9	33.0	35,000	39,600
Stevens (29)	1,400	1,300	1,300	1,100	25.6	32.0	33,300	35,200
Swift (13)	2,300	2,300	2,100	2,000	30.0	37.0	63,000	74,000
Traverse (10)	2,600	2,400	2,400	2,100	25.0	38.0	60,000	79,800
Wilkin (39)	800	800	700	700	28.6	30.0	20,000	21,000
Other Counties	800	900	800	800	28.0	38.0	22,400	30,400
Total	22,200	22,500	20,600	19,400	26.6	35.0	547,400	678,500
Central Dist. 5								
Benton (11)	2,700	3,800	2,600	3,000	28.0	26.0	72,800	78,000
Kandiyohi (23)	1,100	1,400	1,100	1,100	31.0	39.0	34,100	42,900
McLeod (33)	1,000	1,100	900	900	35.6	32.0	32,000	28,800
Meeker (22)	1,500	1,900	1,300	1,500	32.7	30.0	42,500	45,000
Morrison (16)	2,000	2,400	1,900	1,900	33.7	33.0	64,100	62,700
Scott (34)	900	1,600	900	1,000	32.0	28.0	28,800	28,000
Sherburne (01)	13,300	15,100	12,700	12,200	30.5	31.0	386,800	378,200
Stearns (06)	4,100	4,700	4,000	3,700	32.4	34.0	129,600	125,800
Todd (28)	1,000	1,600	1,000	1,200	33.1	30.0	33,100	36,000
Wadena (40)	800	800	400	700	31.5	30.0	12,600	21,000
Wright (21)	2,000	2,400	1,900	1,400	32.5	33.0	61,800	46,200
Other Counties	1,100	1,300	1,100	1,000	32.7	32.4	36,000	32,400
Total	31,500	38,100	29,800	29,600	31.3	32.0	934,200	925,000
East Cent. Dist. 6								
Aitkin (51)	400	500	400	500	30.0	30.0	12,000	15,000
Anoka (12)	3,500	3,300	2,900	2,700	34.2	28.0	99,200	75,600
Chisago (08)	4,100	4,300	4,000	3,900	35.0	29.0	140,000	113,100
Hennepin (42)	500	800	400	600	33.5	32.0	13,400	19,200
Isanti (02)	5,800	6,600	5,400	5,600	34.9	37.0	188,500	207,200
Other Counties	2,500	2,900	2,500	2,500	34.2	30.8	85,400	77,000
Total	16,800	18,400	15,600	15,800	34.5	32.2	538,500	507,100
Southwest Dist. 7								
Lincoln (24)	500	1,300	400	1,100	30.0	38.0	12,000	41,800
Nobles (30)	300	1,000	300	800	31.0	40.0	9,300	32,000
Other Counties	700	1,500	700	1,300	30.3	35.9	21,200	46,700
Total	1,500	3,800	1,400	3,200	30.4	37.7	42,500	120,500
South Cent. Dist. 8								
Brown (37)	200	700	200	600	36.0	36.0	7,200	21,600
Nicollet (45)	200	600	200	500	38.0	35.0	7,600	17,500
Rice (43)	200	600	100	500	39.0	38.0	3,900	19,000
Other Counties	600	1,900	600	1,700	37.8	38.8	22,700	65,900
Total	1,200	3,800	1,100	3,300	37.6	37.6	41,400	124,000
Southeast Dist. 9								
Dakota (41)	700	800	700	600	41.0	35.0	28,700	21,000
Goodhue (46)	500	500	500	500	37.0	35.0	18,500	17,500
Houston (47)	700	500	700	500	36.1	35.0	25,300	17,500
Wabasha (44)	500	600	500	500	39.0	37.0	19,500	18,500
Other Counties	1,100	1,100	1,100	1,100	40.4	36.1	44,400	39,700
Total	3,500	3,500	3,500	3,200	39.0	35.7	136,400	114,200
STATE TOTAL	100,000	120,000	93,000	100,000	31.0	33.0	2,883,000	3,300,000

Dry Edible Beans: Acreage, Yield and Production, Minnesota, 1981-1982

District and County	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1981	1982	1981	1982	1981	1982	1981	1982
	Acres		Acres		Pounds		Cwt.	
Northwest Dist. 1								
Becker	2,000	1,600	2,000	1,400	1,050	950	21,000	13,300
Clay	3,600	4,900	3,500	4,300	1,380	1,070	48,300	45,900
Kittson	2,200	1,300	1,900	700	860	630	16,300	4,400
Marshall	16,000	14,000	15,000	6,800	1,090	780	163,500	53,300
Norman	1,500	1,400	1,400	1,200	1,140	1,310	16,000	15,700
Pennington	1,000	500	800	300	910	930	7,300	2,800
Polk	17,000	13,500	16,000	9,200	1,160	880	185,600	80,600
Red Lake	2,000	600	1,500	0	800	0	12,000	0
West Cent. Dist. 4								
Big Stone	1,000	600	1,000	600	1,240	1,670	12,400	10,000
Chippewa	2,800	1,900	2,400	1,800	1,340	1,580	32,200	28,500
Douglas	1,100	1,200	1,100	1,000	1,170	990	12,900	9,900
Grant	3,100	2,500	2,800	900	1,280	1,040	35,800	9,400
Otter Tail	7,500	11,000	7,400	8,300	1,420	1,680	105,100	139,800
Pope	1,800	1,200	1,800	1,000	1,340	1,060	24,100	10,600
Stevens	2,000	1,500	2,000	1,400	1,420	1,430	28,400	20,000
Swift	3,000	1,600	2,900	1,500	1,440	1,780	41,800	26,700
Wilkin	900	1,700	900	1,200	1,390	1,290	12,500	15,500
Yellow Medicine	800	2,100	800	1,900	1,290	1,600	10,300	30,400
Cent. Dist. 5								
Benton	1,200	1,500	1,200	1,300	1,320	1,900	15,800	24,700
Kandiyohi	2,300	1,700	2,200	1,500	1,380	1,600	30,400	24,000
Morrison	2,000	1,400	1,600	1,300	1,100	1,400	17,600	18,200
Renville	13,000	7,700	12,300	7,500	1,400	1,850	172,200	139,100
Stearns	1,500	1,700	1,500	1,600	1,300	1,480	19,500	23,700
Todd	1,200	1,500	1,200	1,400	1,190	1,580	14,300	22,100
Wadena	1,600	1,600	1,500	1,400	1,250	1,010	18,800	14,200
Selected Counties								
Hubbard	9,000	7,600	8,900	6,800	1,180	960	105,000	65,500
Redwood	1,100	1,000	1,000	1,000	1,370	1,800	13,700	18,000
Brown	600	500	500	500	1,360	1,500	6,800	7,500
Faribault	400	600	300	600	1,430	1,300	4,300	7,800
Dakota	400	500	400	300	1,450	1,200	5,800	3,600
Mower	800	500	600	500	1,470	1,500	8,800	7,500
All Other Counties	5,600	4,100	4,600	3,800	1,270	1,480	58,500	56,300
STATE TOTAL	110,000	95,000	103,000	73,000	1,240	1,300	1,277,000	949,000



AVERAGE DATES OF PLANTING AND HARVESTING COMPLETION-MINNESOTA

Crop and Year	Date PLANTING Completed					Date HARVESTING Completed				
	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent
Corn:										
1982	APR 30	MAY 5	MAY 13	MAY 26	JUN 4	OCT 22	OCT 31	NOV 8	NOV 23	DEC 10
1981	APR 29	MAY 4	MAY 9	MAY 14	MAY 21	OCT 12	OCT 22	OCT 31	NOV 9	NOV 16
1978-1982 Average	MAY 1	MAY 6	MAY 13	MAY 21	MAY 30	OCT 10	OCT 19	OCT 30	NOV 11	NOV 26
Soybeans:										
1982	MAY 12	MAY 24	MAY 31	JUN 8	JUN 12	OCT 3	OCT 19	OCT 27	OCT 31	NOV 7
1981	MAY 9	MAY 14	MAY 19	MAY 26	JUN 2	SEP 26	OCT 9	OCT 23	OCT 30	NOV 5
1978-1982 Average	MAY 10	MAY 17	MAY 24	JUN 1	JUN 8	SEP 28	OCT 5	OCT 13	OCT 26	NOV 3
Spring Wheat:										
1982	APR 27	APR 30	MAY 4	MAY 17	MAY 28	AUG 6	AUG 12	AUG 19	SEP 2	SEP 9
1981	APR 3	APR 8	APR 16	APR 23	MAY 1	AUG 4	AUG 11	AUG 16	AUG 21	AUG 28
1978-1982 Average	APR 16	APR 24	MAY 3	MAY 14	MAY 26	AUG 4	AUG 11	AUG 19	SEP 3	SEP 11
Oats:										
1982	APR 25	APR 28	MAY 3	MAY 8	MAY 25	JUL 30	AUG 4	AUG 10	AUG 17	AUG 28
1981	APR 4	APR 10	APR 17	APR 25	MAY 6	JUL 27	AUG 1	AUG 9	AUG 15	AUG 23
1978-1982 Average	APR 16	APR 24	MAY 2	MAY 12	MAY 22	JUL 28	AUG 3	AUG 10	AUG 21	SEP 4
Barley:										
1982	APR 28	MAY 2	MAY 9	MAY 26	MAY 30	JUL 29	AUG 3	AUG 12	AUG 22	SEP 1
1981	APR 9	APR 14	APR 21	APR 30	MAY 11	JUL 28	JUL 30	AUG 5	AUG 13	AUG 19
1978-1982 Average	APR 19	APR 27	MAY 7	MAY 19	MAY 29	JUL 28	AUG 1	AUG 9	AUG 20	SEP 2
Flax:										
1982	MAY 6	MAY 19	MAY 29	JUN 10	JUN 17	AUG 23	SEP 6	SEP 21	OCT 24	NOV 10
1981	APR 27	MAY 5	MAY 13	MAY 19	JUN 2	AUG 20	SEP 7	SEP 17	SEP 28	OCT 20
1978-1982 Average	MAY 3	MAY 12	MAY 22	JUN 3	JUN 11	AUG 24	SEP 6	SEP 19	OCT 3	OCT 25
Sunflowers:										
1982	MAY 18	MAY 26	MAY 31	JUN 7	JUN 13	OCT 20	OCT 28	NOV 3	NOV 15	NOV 29
1981	MAY 4	MAY 11	MAY 16	MAY 27	JUN 3	SEP 26	OCT 10	OCT 24	NOV 3	NOV 11
1978-1982 Average	MAY 7	MAY 15	MAY 24	JUN 1	JUN 9	SEP 27	OCT 5	OCT 18	OCT 31	NOV 16
Alfalfa Hay: 1/										
1982						JUN 5	JUN 10	JUN 15	JUN 22	JUL 2
1981			NOT APPLICABLE			JUN 5	JUN 11	JUN 20	JUN 30	JUL 5
1978-1982 Average						JUN 6	JUN 11	JUN 17	JUN 26	JUL 5
Winter Wheat:										
1982	AUG 28	SEP 3	SEP 9	SEP 17	SEP 26	JUL 28	AUG 2	AUG 6	AUG 12	AUG 18
1981	AUG 20	SEP 2	SEP 13	SEP 20	OCT 4	JUL 25	JUL 29	AUG 3	AUG 10	AUG 18
1978-1982 Average	AUG 28	SEP 4	SEP 13	SEP 22	OCT 1	JUL 24	JUL 30	AUG 5	AUG 12	AUG 20
Rye:										
1982	AUG 29	SEP 3	SEP 10	SEP 18	SEP 26	JUL 30	AUG 3	AUG 7	AUG 11	AUG 16
1981	AUG 27	SEP 3	SEP 14	SEP 21	OCT 1	JUL 25	JUL 29	AUG 5	AUG 12	AUG 17
1978-1982 Average	AUG 29	SEP 5	SEP 14	SEP 23	OCT 2	JUL 27	AUG 1	AUG 7	AUG 13	AUG 22
Sugarbeets:										
1982	APR 24	APR 28	MAY 3	MAY 7	MAY 21	SEP 21	OCT 9	OCT 20	OCT 25	OCT 29
1981	APR 12	APR 15	APR 20	APR 28	MAY 3	OCT 5	OCT 9	OCT 20	OCT 29	NOV 1
1978-1982 Average	APR 18	APR 25	MAY 3	MAY 13	MAY 22	OCT 2	OCT 8	OCT 13	OCT 21	OCT 28

1/ First Cutting.

1982 Paddy Wild Rice Statistics

(Information provided by the Minnesota Paddy Wild Rice Council)

Wild rice, the only grain native to the North American continent, has been grown successfully as a field crop only since 1950, when the first one-acre field near Merrifield, Minnesota was grown. From this beginning, wild rice now grows on approximately 16,000 acres of cultivated fields in northern Minnesota.

Most of the wild rice in Minnesota is grown on low land previously not farmed. The leading counties are Aitkin, Clearwater, Polk, Beltrami and Itasca.

Minnesota ranks first in the world in wild rice production. About 90% of the nation's commercial wild rice paddies are located in Minnesota.

Minnesota's man-made paddies produced 2.7 million pounds of processed wild rice in 1982, an increase of 17% over the 2.3 million pounds produced in 1981.

The value of the 1982 crop was $8.9 million, a 7% increase over last year's $8.3 million. While the total to the producers was up 7%, producers averaged less per pound than the previous year. At $3.25 for processed wild rice, this was down nearly 10% from the previous year (declining from $4.00 per pound in 1980).

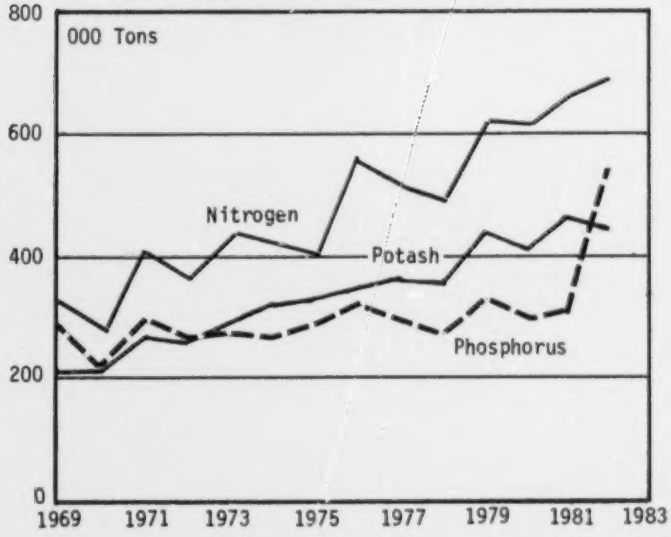
Acreage in paddy production remains stable at approximately 16,000 acres, with the number of operations remaining the same. Average acres per farm operation in wild rice production was 250 acres in 1982.

Minnesota Fertilizer Usage

Minnesota consumption of fertilizer totaled 2.13 million tons for the year ending June 30, 1982, down 15% from the previous year. Fertilizer consumption represents all commercial fertilizer tonnage sold or shipped for farm and non-farm use as fertilizer.

Minnesota ranks 7th in fertilizer consumption in the U.S.

Minnesota's
Use of Primary Nutrients as Fertilizer



Pesticides Used on Minnesota Farms in 1982

Minnesota farmers used pesticides at least once on 96% of their soybean acreage planted for harvest in 1982. Corn and sugarbeets were nearly as extensively treated (95%), followed by sunflowers (89%), and wheat (87%). Total acres seeded to other small grains were 59% treated and flax acreage was 72% treated. No more than 1% of hay acreage was treated. Farmers used pesticides on 2% of their pasture land.

The 1982 Pesticide Survey conducted by the Minnesota Agricultural Statistics Service also showed that the level of usage was down slightly from the previous year. All crops surveyed except sugarbeets and other hay registered decreases. When the state's total corn, soybean, small grain, sunflower, sugarbeet, flax, and hay acreage is added up, 77% of the total acreage received some kind of pesticide application (herbicides, insecticides, fungicides, or any combination). This compares with 78% of the total 1981 crop acreage treated.

Herbicides again accounted for about 9 out of 10 total acres treated. Multiple herbicide applications were most common for corn, soybeans, wheat, and sugarbeets. Insecticide usage was dominated by the corn pre-emergence insecticides, which accounted for 82% of total treatments for insect pests. Sunflower insecticides were also quite extensively applied. Very few farmers applied insecticides to a crop more than once.

Acreage Planted and Treated At Least Once with Some Pesticide in Minnesota, 1982

Crop	Acreage Planted	Minimum Acreage Treated With Some Pesticide 1/	% of Planted Acreage Treated
	1,000 Acres		Percent
Corn	7,300	6,957	95.3
Soybeans	4,950	4,763	96.2
Wheat	3,240	2,820	87.0
Other Small Grains 2/	2,820	1,664	59.0
Sunflowers	540	479	88.7
Sugarbeets	255	243	95.3
Flax	120	86	71.7
Alfalfa Hay 3/	1,950	15	.8
Other Hay 3/	920	7	.8
TOTAL	22,095	17,034	77.1

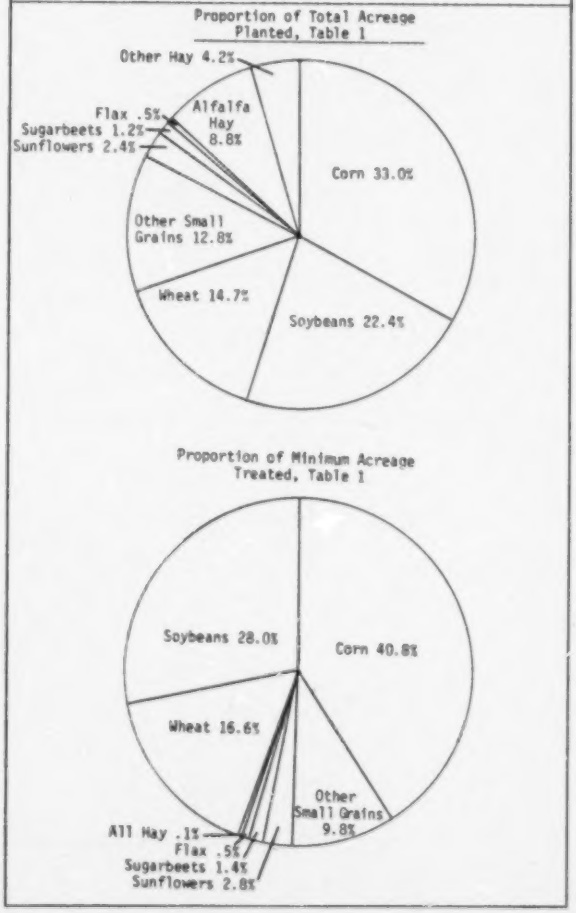
1/ At least this acreage was treated with some pesticide-either herbicides, insecticides, fungicides, or any combination. An acre receiving more than one application is counted only once. 2/Oats, barley, rye. 3/Acreage harvested.

Acreage Treated With Pesticides by Type of Control in Minnesota, 1982

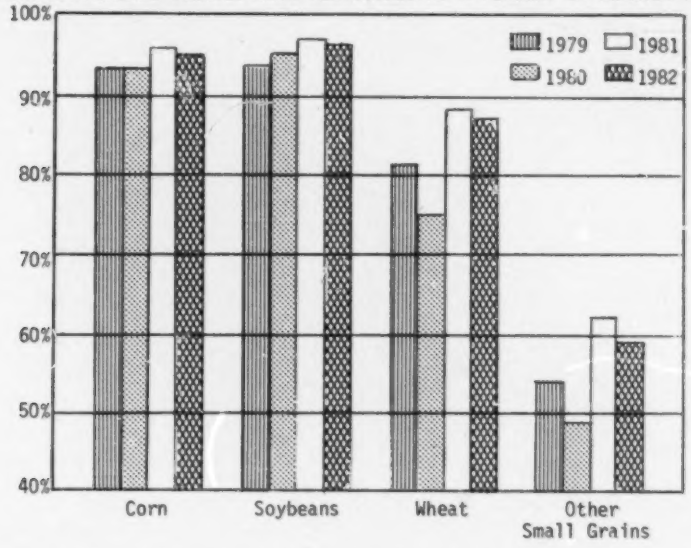
Crop	Total Acres Treated 1/ For:		
	Weeds	Insects	Diseases
		1,000 Acres	
Corn: Pre-emergence	5,706	1,648	--
Post-emergence	4,469	5	--
Total	10,175	1,653	0
Soybeans	5,965	0	2
Wheat	3,860	64	155
Other Small Grains	2,024	25	39
Sunflowers	498	173	10
Sugarbeets	463	94	310
Flax	90	0	0
Alfalfa Hay	15	1	0
Other Hay	7	0	0
TOTAL	2 097	2,010	516

1/ Each pesticide application to an acre is counted as an acre treated and is included in this table.

Comparisons of Crop Acreages Planted and Acreages Treated with Pesticides



MINIMUM ACREAGE TREATED WITH PESTICIDES AS A PERCENT OF PLANTED ACREAGE



Rate of Application and Acreage Treated with Major Pesticides, Minnesota, 1982
Herbicides

Crop and Chemical 1/	Average Rate of Application per Acre 2/			Acreage Treated
	Wettable Powder	Granular Product	Liquid	
	Pounds	Pounds	Quarts	1,000 Acres
CORN, PRE-EMERGENCE:				
Alachlor (Lasso)	---	10.3	3.1	2,032
Alachlor + Atrazine (Lasso + Aatrex)	--/1.7	---	1.9/1.6	595
Propachlor (Ramrod, Bexton)	---	10.3	---	521
EPTC and protectant (Eradicane)	---	---	3.0	517
Alachlor + Cyanazine (Lasso + Bladex)	--/2.1	---	2.2/1.9	390
Atrazine (Aatrex)	2.3	---	2.2	367
Butylate and protectant (Sutan Plus)	---	---	2.9	312
Metolachlor (Dual)	---	---	1.5	253
Bicep*	---	---	2.8	144
Cyanazine (Bladex)	2.5	---	1.8	104
Other Herbicides				471
TOTAL				5,706
CORN, POST-EMERGENCE:				
2,4-D + Dicamba (2,4-D + Banvel)	---	---	0.3/0.2	1,029
Dicamba (Banvel)	---	---	0.3	830
2,4-D Amine	---	---	0.5	699
2,4-D Ester	---	---	0.4	598
Atrazine (Aatrex)	2.1	---	1.9	565
Cyanazine (Bladex)	2.5	---	2.4	196
Atrazine + Oil (Aatrex + Oil)	2.5	---	2.0	162
Alachlor + Atrazine (Lasso + Aatrex)	--/1.8	---	2.0/1.6	139
Other Herbicides				251
TOTAL				4,469
SOYBEANS:				
Trifluralin (Treflan)	---	---	0.9	1,960
Bentazon (Basagran)	---	---	0.9	694
Alachlor (Lasso)	---	10.4	2.9	670
Chloramben (Amiben)	---	9.0	2.8	540
Trifluralin + Metribuzin (Treflan + Sencor)	--/0.5	---	1.0/0.3	368
Trifluralin + Chloramben (Treflan + Amiben)	---	---	0.8/3.5	348
Alachlor + Linuron (Lasso + Lorox)	--/1.1	---	1.9/1.0	199
Alachlor + Chloramben (Lasso + Amiben)	---	---	2.2/3.4	176
Trifluralin + Metribuzin (Treflan + Lexone)	--/0.5	---	0.9/0.5	159
Alachlor + Metribuzin (Lasso + Sencor)	--/0.5	---	2.1/0.4	115
Profluralin (Tolban)	---	---	1.1	113
Fluchloralin + Chloramben (Basalin + Amiben)	---	---	0.9/3.6	104
Fluchloralin (Basalin)	---	---	1.1	87
Other Herbicides				432
TOTAL				5,965

Rate of Application and Acreage Treated with Major Pesticides, Minnesota, 1982 (Cont.)

Herbicides

Crop and Chemical 1/	Average Rate of Application per Acre 2/			Acreage Treated
	Wettable Powder	Granular Product	Liquid	
	Pounds	Pounds	Quarts	1,000 Acres
WHEAT:				
2,4-D Amine	---	---	0.4	631
MCPA	---	---	0.4	618
Triallate (Far-Go)	---	13.5	1.0	506
Bronate*	---	---	0.7	316
2,4-D Ester	---	---	0.5	277
2,4-D + Dicamba (2,4-D + Banvel)	---	---	0.3/0.1	267
Barban (Carbyne)	---	---	0.9	173
MCPA + Dicamba (MCPA + Banvel)	---	---	0.4/0.1	170
Trifluralin (Treflan)	---	---	0.5	166
Brominal Plus*	---	---	0.4	165
Diclofop (Hoelon)	---	---	1.2	140
Triallate + Trifluralin (Far-Go + Treflan)	---	---	---	101
Difenzoquat (Avenge)	---	---	---	88
Other Herbicides				242
TOTAL				3,860
OTHER SMALL GRAINS:				
MCPA	---	---	0.4	585
2,4-D Amine	---	---	0.4	559
Triallate (Far-Go)	---	14.5	1.0	199
Bronate*	---	---	0.6	109
Brominal Plus*	---	---	0.3	104
2,4-D Ester	---	---	0.5	85
MCPA + Dicamba (MCPA + Banvel)	---	---	0.4/0.2	69
2,4-D + Dicamba (2,4-D + Banvel)	---	---	0.4/0.1	64
Barban (Carbyne)	---	---	---	62
Other Herbicides				188
TOTAL				2,024
SUNFLOWERS:				
Trifluralin (Treflan)	---	---	1.00	241
Triallate + Trifluralin (Far-Go + Treflan)	---	---	---	76
Profluralin (Tolban)	---	---	---	63
Other Herbicides				118
TOTAL				498
SUGARBEETS:				
EPTC (Eptam)	---	---	---	116
Betamix*	---	---	---	80
Other Herbicides				267
TOTAL				463
FLAX:				
MCPA	---	---	---	52
Other Herbicides				38
TOTAL				90
ALFALFA HAY:				
EPTC (Eptam)	---	---	---	10
Other Herbicides				5
TOTAL				15

Insecticides

CORN, PRE-EMERGENCE:				
Fonofos (Dyfonate)	---	6.5	---	569
Carbofuran (Furadan)	---	9.1	---	348
Terbofos (Counter)	---	7.8	---	323
Phorate (Thimet)	---	5.8	---	188
Chlorpyrifos (Lorsban)	---	7.7	---	117
Other Insecticides				103
TOTAL				1,648
SUNFLOWERS:				
Toxaphene	---	---	---	140
Other Insecticides				33
				173

1/ Common names of the chemicals are listed first, followed by the familiar trade names in parentheses. The inclusion of a product does not imply approval nor does exclusion imply disapproval.

2/ For mixtures, the rate of application for the first chemical is listed before the slash under each formulation and the application rate for the second chemical is listed after the slash. For example, the mixture of Treflan and Amiben has application rates of 0.8/3.5 under 'liquid' for soybeans. This means the average rate of application for Treflan is .8 quart per acre and the rate for Amiben is 3.5 quarts per acre. Rates of application denote amounts of undiluted material used per acre (including both active ingredients and carrier materials.)

* Trade Name.

Method of Application, Minnesota, 1982
Herbicides

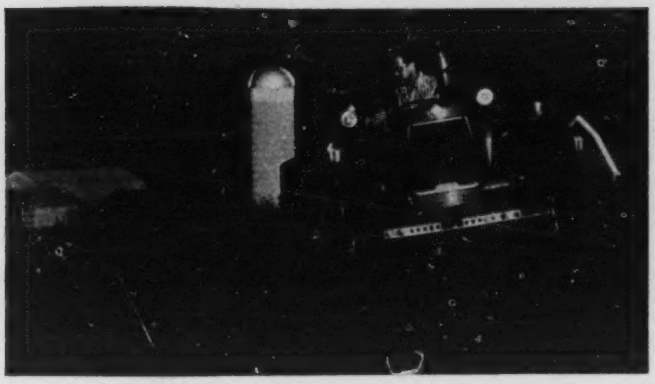
Crop	Self Applied	Custom Applied	Aerially Applied	Ground Applied	Incorporated into Soil
	Percent 1/		Percent 2/		
Corn:					
Pre-emergence	87	13	0	73	27
Post-emergence	81	19	2	98	0
Soybeans	85	15	2	51	47
Wheat	80	20	12	77	11
Other Sm. Grains	78	22	13	82	5
Sunflowers	94	6	0	26	74
Sugarbeets	90	10	0	47	53
Flax	64	36	17	66	17
Alfalfa Hay	67	33	0	9	91
Other Hay	100	0	0	100	0
TOTAL	84	16	4	72	24
Insecticides					
Corn:					
Pre-emergence	95	5	0	93	7
TOTAL 3/	86	14	5	88	7

1/ Percent of treated acreage. 2/ Percent of Reports.
3/ Includes all crops covered in this survey.

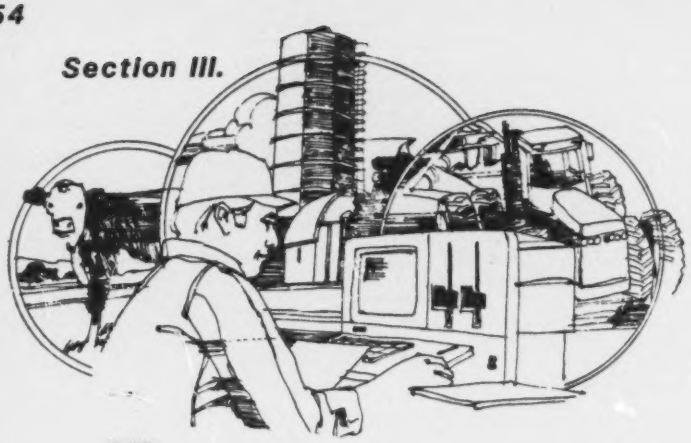
Protective Measures and Pesticide
Usage Practices, Minnesota, 1982

Question	Percent Answering "YES" 1/
1. Did you use any of the following protective clothing or equipment while applying pesticides in 1982?	
a)Protective cab on tractor	46
b)Respirator	11
c)Goggles	29
d)Rubber Gloves	53
e)Rubber Boots	15
f)Spray suit	2
2. How did you dispose of the empty pesticide containers?	
a)Burned	40
b)Buried on own property	19
c)Buried in sanitary landfill	21
d)Returned to distributor	16
e)Used as containers for oil or fuel	3
f)Reused for other or unspecified purpose	5
g)Recycled or sold for scrap	5
h)Kept; not disposed of yet	22
i)Other disposal method	2
3. Are you or is any other person on your farm certified to use restricted-use pesticides?	41
4. During 1982, did you use Malathion to protect farm-stored grain from insect damage?	15
5. Did you use any fumigants on your farm-stored grain?	11
6. (If "YES" to 5:) Was the fumigant self-applied?	86
7. (If "YES" to 6:) Did you use a gas mask while applying the fumigant?	44

1/ Percents may total more than 100% because of multiple responses.



Section III.



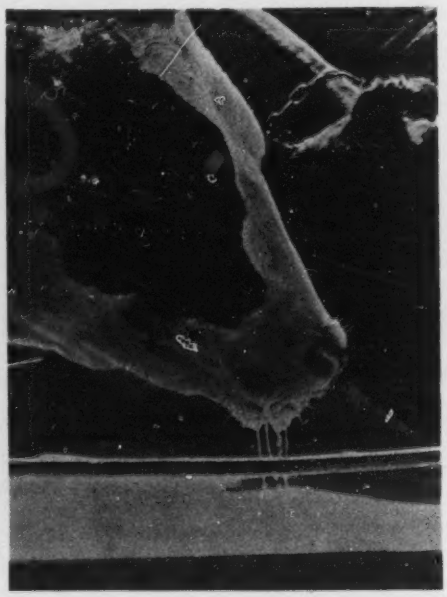
LIVESTOCK, DAIRY, POULTRY

Livestock

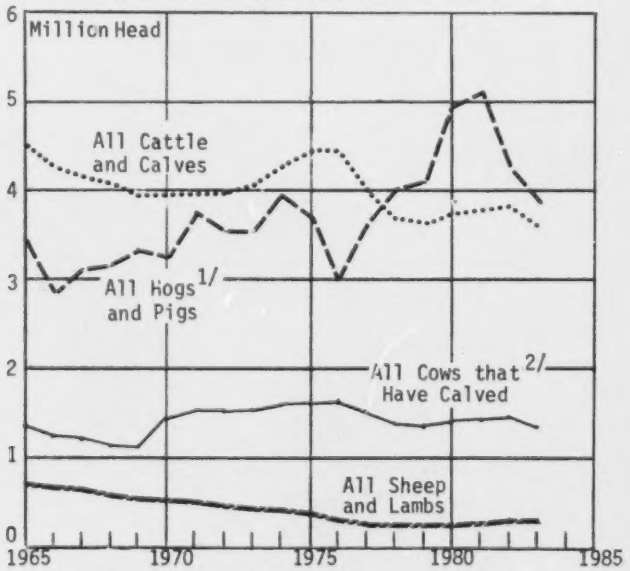
Cattle numbers on Minnesota farms on January 1, 1983 were down 7% from a year earlier and sheep and lamb numbers were down 10%. The inventory of all hogs on December 1, 1982 was down 9% from a year earlier. December 1, 1982 all chickens on farms totaled 2% less than in 1981.

The combined value of all livestock and poultry on Minnesota farms was $2,194 million, a 9% decrease from last year's $2,414 million. All cattle and calves,valued at $1,805 million, were 13% less than a year ago. The value of hogs on hand December 1, 1982 accounted for $343 million, up 18%; all sheep and lambs, $15.6 million, down 10%; all chickens $21.9 million, up 8%; and turkey breeder hens $8.2 million, down 19%.

The number of operations with sheep increased 600 while milk cows remained the same. Cattle declined 2,000 and hogs 6,000 (see page 3).



LIVESTOCK ON MINNESOTA FARMS, JANUARY 1



1/ December 1 preceding year.

2/ Prior to 1970, "All cows 2 years & older."

MINNESOTA LIVESTOCK AND POULTRY

Class	Number On Farms			Value Per Head			Total Farm Value		
	1981	1982	1983	1981	1982	1983	1981	1982	1983
	Thousand Head			Dollars			Thousand Dollars		
All Cattle, January 1.....	3,800	3,880	3,610	585.00	535.00	500.00	2,223,000	2,075,800	1,805,000
Total Cows that Have Calved	*1,450*	*1,490*	*1,371*						
Beef Cows.....	570	585	481						
Milk Cows.....	880	905	890						
Total Heifers 500 Pounds+..	*655*	*688*	*686*						
Beef Replacement.....	95	108	90						
Milk Replacement.....	350	360	332						
Other.....	210	220	264						
*Steers, 500 Pounds+.....	*620*	*649*	*617*						
*Bulls, 500 Pounds+.....	*55*	*53*	*43*						
*Steers, Heifers, Bulls, Under 500 Pounds.....	*950*	*1,000*	*893*						
All Hogs and Pigs, Dec. 1 1/..	5,100	4,300	3,900	77.50	67.50	88.00	395,250	290,250	343,200
All Sheep and Lambs, Jan. 1..	295	335	300	63.50	52.00	52.00	18,733	17,420	15,600
*Stock Sheep.....	*250*	*275*	*235*						
Ewes, 1 year+.....	187	199	186						
Ewe Lambs.....	48	58	36						
Wethers and Rams, 1 year+..	5	7	6						
Wethers and Ram Lambs.....	10	11	7						
*Sheep and Lambs on Feed....	*45*	*60*	*65*						
All Chickens, December 1 1/...	13,000	13,600	13,300	1.55	1.50	1.65	20,150	20,400	21,945
*Hens and Pullets of Laying Age.....	*10,000*	*10,600*	*10,500*						
*Pullets 3 months Old+, Not of Laying Age.....	*1,440*	*1,370*	*1,400*						
*Pullets Under 3 Months.....	*1,430*	*1,530*	*1,300*						
*Other Chickens.....	*130*	*100*	*100*						
Turkey Breeder Hens, Dec.1 1/	625	567	523	12.80	17.80	15.70	8,000	10,093	8,211
TOTAL.....							2,665,133	2,413,963	2,193,956

1/ December 1 preceding year.

Minnesota Cattle and Calves

Year	On Farms, January 1			Calves Born	Marketings 1/	Price Per 100 Lbs.		Cash 2/ Receipts	Gross Income 3/
	All Cattle	All Cows That Have Calved	Milk Cows That Have Calved			Cattle	Calves		
	1,000 Head			1,000 Head	1,000 Lbs.	Dollars		1,000 Dols.	1,000 Dols.
1978	3,700	1,400	850	1,280	1,706,285	43.50	58.20	745,689	769,397
1979	3,650	1,380	850	1,290	1,557,765	58.90	81.90	922,904	943,822
1980	3,750	1,420	860	1,350	1,873,240	55.70	78.30	1,048,616	1,069,763
1981	3,800	1,450	880	1,370	1,863,600	50.80	67.40	950,493	970,803
1982	3,880	1,490	905	1,300	2,068,290	48.60	60.30	1,008,875	1,028,997
1983	3,610	1,371	890	--	--	--	--	--	--

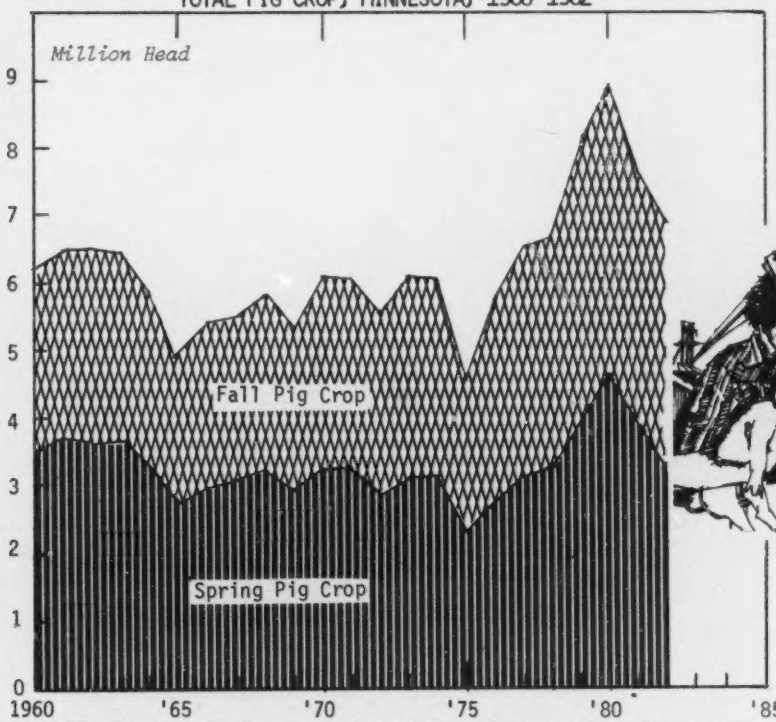
1/ Exludes interfarm sales.
2/ Includes receipts from marketing and sales of farm slaughtered meat.
3/ Includes value of home consumption on farms.

Minnesota Cattle and Calves on Feed by Quarters

Year and Quarter	Classes				Weight Groups 1/			
	Number	Steers and Steer Calves	Heifers & Heifer Calves	Other	Under 500 Lbs.	500-699 Lbs.	700-899 Lbs.	900 Lbs. and Over
	1,000 Head				1,000 Head			
1978: January 1...	400	248	148	4	99	120	93	84
April 1.....	400	244	156	0	31	169	121	79
July 1.....	330	211	119	0	9	66	170	85
October 1	280	190	90	0	16	48	99	117
1979: January 1...	400	256	140	4	45	124	119	108
April 1.....	340	228	112	0	20	143	91	86
July 1.....	320	208	112	0	6	49	165	100
October 1...	265	186	79	0	7	24	89	145
1980: January 1...	390	253	135	2	48	112	95	133
April 1.....	400	268	132	0	18	149	122	111
July 1.....	365	233	132	0	6	46	170	143
October 1...	310	205	105	0	7	35	103	165
1981: January 1...	370	251	117	2	39	112	99	118
April 1.....	405	267	138	0	22	159	131	93
July 1.....	390	265	125	0	10	55	163	162
October 1...	310	211	96	3	9	33	99	166
1982: January 1...	350	234	112	4	40	106	78	122
April 1.....	415	266	145	4	9	160	149	93
July 1.....	405	255	146	4	8	65	164	164
October 1...	310	205	102	3	9	37	96	165
1983: January 1...	405	263	138	4	35	124	106	136
April 1.....	405	267	134	4	18	120	121	142

1/ "Other" class not included in "Weight Groups."

TOTAL PIG CROP, MINNESOTA, 1960-1982 1/



1/ Fall pig crop is for June through November; spring pig crop is for December (previous year) through May.

MINNESOTA HOG PRODUCTION AND INCOME

Year	Production 1/	Marketings 2/	Price Per 100 Lbs.	Cash Receipts 3/	Gross Income 4/
	Thousand Pounds		Dollars	Thousand Dollars	
1978	1,442,782	1,397,080	46.70	663,047	680,307
1979	1,692,992	1,552,249	42.00	660,372	679,172
1980	1,934,920	1,896,236	38.30	732,598	741,271
1981	1,694,340	1,798,028	43.60	792,788	801,241
1982	1,520,600	1,572,545	52.60	839,473	846,542

1/ Adjustments made for number shipped in and changes in inventory.
2/ Excludes interfarm sales.
3/ Includes receipts from marketings and sale of farm slaughtered meats.
4/ Includes value of home consumption on farms.

MINNESOTA SOWS FARROWED, PIG CROPS, AND DISPOSITION

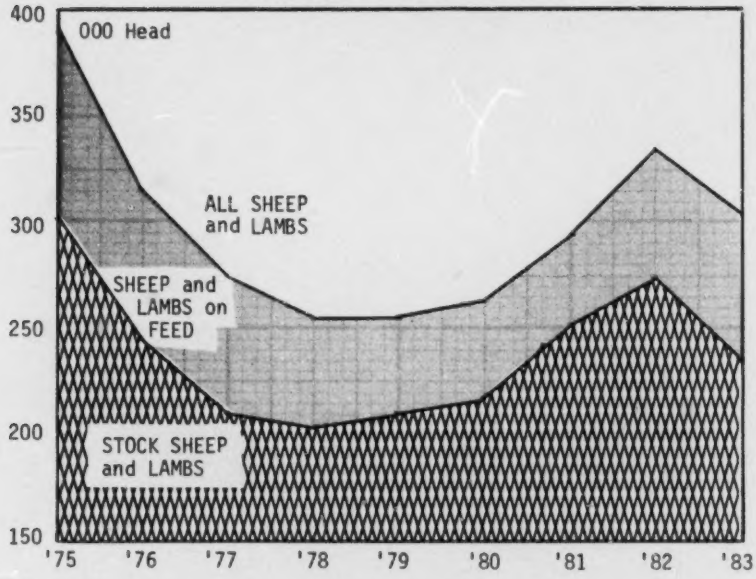
Year	Spring		Fall		Annual Total		Inshipments	Marketings 1/	Farm 2/ Slaughter	Deaths	All Hogs On Farms Dec. 1
	Sows Farrowed	Pig Crop	Sows Farrowed	Pig Crop	Sows Farrowed	Pig Crop					
	Thousand Head		Thousand Head		Thousand Head		Thousand Head				
1978	440	3,258	460	3,391	900	6,649	271	6,315	35	470	4,100
1979	540	3,905	560	4,101	1,100	8,006	254	6,888	42	530	4,900
1980	615	4,612	580	4,324	1,195	8,936	226	8,361	51	550	5,100
1981	530	3,978	490	3,623	1,020	7,601	215	8,116	30	470	4,300
1982	440	3,270	475	3,588	915	6,858	217	6,990	20	465	3,900

1/ Excludes interfarm sales.
2/ Excludes custom slaughter for farmers at commercial establishments.

MINNESOTA HOGS AND PIGS BY QUARTERS

Year and Quarter	All Hogs and Pigs	For Breeding Purposes	Market Hogs and Pigs			
			Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. and Over
	1,000 Head	1,000 Head	1,000 Head			
1978: March	3,700	581	1,323	692	639	465
June	3,650	602	1,402	719	494	433
September	3,650	605	1,340	761	518	426
December	4,100	697	1,515	840	637	411
1979: March	4,120	721	1,513	765	679	442
June	4,500	788	1,726	910	575	501
September	4,600	760	1,785	920	655	480
December	4,900	784	1,634	1,153	856	473
1980: March	4,950	742	1,843	922	862	581
June	5,000	775	1,901	1,077	697	550
September	5,100	740	1,940	1,090	740	590
December	5,100	816	1,778	1,070	900	536
1981: March	4,450	665	1,442	980	780	583
June	4,350	650	1,610	906	647	537
September	4,250	590	1,596	945	625	494
December	4,300	580	1,470	1,004	707	539
1982: March	3,870	530	1,269	875	698	498
June	3,780	578	1,304	794	592	512
September	3,950	573	1,520	888	550	419
December	3,900	550	1,374	888	653	435
1983: March	4,170	592	1,395	920	680	583

MINNESOTA SHEEP AND LAMBS
January 1, 1975-1983



MINNESOTA SHEEP AND LAMBS

Year	On Farms, January 1			Lambs Saved	Marketings 1/	Cash Receipts 2/	Gross Income 3/
	Total All Sheep and Lambs	On Feed For Market	Stock (Breeding) Sheep				
	Thousand Head			Thousand Head		Thousand Dollars	
1978	255	52	203	200	182	10,776	10,968
1979	255	45	210	198	184	11,602	11,796
1980	264	47	217	205	194	11,408	11,623
1981	295	45	250	245	223	11,120	11,398
1982	335	60	275	245	305	14,715	15,126
1983	300	65	235	---	---	---	---

1/ Excludes interfarm sales.
2/ Includes receipts from marketings and sales of farm slaughtered meat.
3/ Includes value of home consumption on farms.

MINNESOTA WOOL

Year	Sheep Shorn 1/	Production		Annual Average Price Per Pound 2/	Value
		Per Fleece	Total		
	Thousand Head	Pounds	Thousand Pounds	Cents	Thousand Dollars
1978	243	7.6	1,857	67	1,244
1979	252	7.7	1,933	71	1,372
1980	275	7.2	1,990	73	1,453
1981	308	7.3	2,252	70	1,576
1982	310	7.3	2,264	48	1,087

1/ Includes sheep shorn at commercial feeding yards.
2/ Average local market price for wool sold; does not include incentive payment.

MINNESOTA COMMERCIAL LIVESTOCK SLAUGHTER

Month	Cattle						Calves					
	Number Slaughtered		Liveweight				Number Slaughtered		Liveweight			
			Average Weight		Total Weight				Average Weight		Total Weight	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
	Thousands		Pounds		Thousand Pounds		Thousands		Pounds		Thousand Pounds	
January.....	91.4	89.7	1,134	1,108	103,707	99,391	0.4	0.4	205	192	92	83
February....	79.2	85.5	1,150	1,106	91,114	94,530	0.5	0.4	183	209	87	82
March.....	86.4	79.8	1,166	1,123	100,789	89,650	0.5	0.5	199	206	102	101
April.....	81.6	79.2	1,163	1,136	94,863	89,983	0.4	0.4	207	198	90	93
May.....	77.5	75.2	1,143	1,118	88,635	84,075	0.5	0.5	198	215	89	93
June.....	83.7	81.2	1,143	1,118	95,738	90,812	0.4	0.4	213	207	81	84
July.....	82.3	80.7	1,124	1,122	92,520	90,513	0.3	0.3	214	192	67	65
August.....	78.5	77.0	1,120	1,117	87,896	85,990	0.4	0.4	203	197	74	71
September...	83.4	81.9	1,125	1,121	93,816	91,781	0.4	0.4	199	197	82	79
October.....	92.7	102.1	1,128	1,117	104,581	114,011	0.5	0.5	192	200	88	88
November....	87.2	96.0	1,120	1,108	97,567	106,365	0.4	0.4	197	188	82	83
December....	99.2	109.3	1,113	1,102	110,441	120,400	0.5	0.5	196	188	102	102
ANNUAL TOTAL.....	1,023.2	1,037.6	1,135	1,116	1,161,667	1,157,501	5.2	5.1	200	200	1,037	1,024
	Hogs						Sheep and Lambs					
January.....	464.5	462.7	240	239	111,322	110,583	51.7	49.3	116	111	6,006	5,477
February....	418.2	430.7	236	235	98,844	101,068	43.1	48.4	117	113	5,044	5,488
March.....	494.4	517.0	236	234	116,615	121,235	41.4	49.6	119	116	4,925	5,778
April.....	478.5	503.5	236	237	113,078	119,577	38.1	42.5	120	118	4,580	4,999
May.....	429.5	452.0	237	238	101,938	107,797	33.4	37.2	117	115	3,914	4,272
June.....	406.5	427.8	238	239	96,798	102,362	40.4	45.0	110	108	4,440	4,847
July.....	368.0	389.9	233	237	85,852	92,552	43.1	52.2	108	107	4,639	5,567
August.....	425.5	450.9	233	237	99,126	106,861	46.2	56.0	108	107	4,990	5,988
September...	478.1	506.6	235	239	112,164	120,917	48.3	58.5	109	107	5,240	6,288
October.....	505.2	452.3	237	241	119,916	109,011	48.8	45.8	109	109	5,322	4,998
November....	498.1	446.0	241	245	120,080	109,160	53.7	50.4	110	110	5,924	5,564
December....	555.7	497.6	243	247	135,273	122,970	64.5	60.8	112	112	7,248	6,807
ANNUAL TOTAL.....	5,522.1	5,537.0	237	239	1,311,007	1,324,093	552.7	595.7	113	111	62,274	66,073

Note: Totals may not add due to rounding. Monthly totals in 1982 derived, consistent with previously published quarterly estimates (revised).

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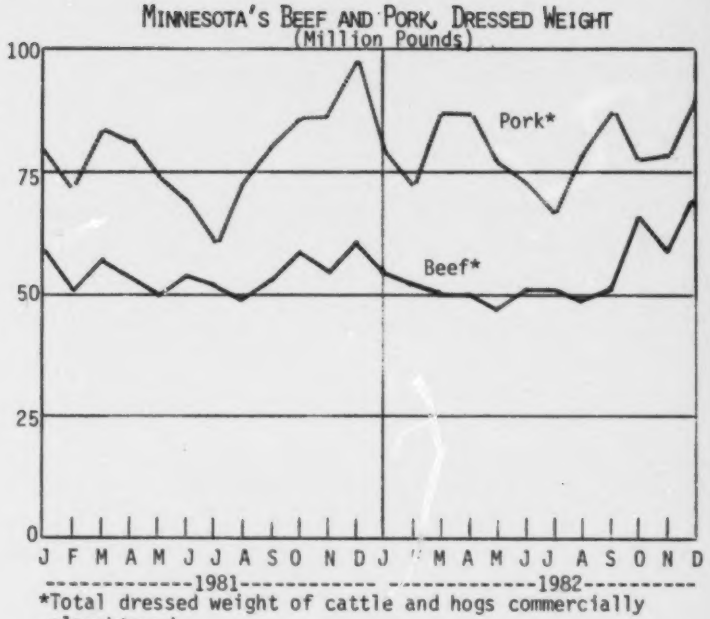
TODAY'S NEW LAMB



*Total dressed weight of cattle and hogs commercially slaughtered.

MINNESOTA HONEY AND BEESWAX

Year	Number Of Colonies	Production Per Colony	Honey Production	Beeswax Production	Average Price Received By Producers		Value Of Production	
					Honey	Beeswax	Honey	Beeswax
	Thousands	Pounds	Thousand Pounds		Dollars Per Pound		Thousand Dollars	
1978	155	96	14,880	268	.495	1.82	7,366	488
1979	160	99	15,840	285	.543	1.89	8,601	539
1980	180	76	13,680	246	.530	1.90	7,250	467
1981	190	43	8,170	188	.581	1.92	4,747	361
1982 1/								

1/ Estimates discontinued.

Dairy

Minnesota's milk production totaled 10.3 billion pounds in 1982, 3% higher than 1981. The state's share of national production held steady at 7.6%. The 12-month average number of milk cows increased by 17,000 to an average of 903,000.

The average milk per cow was 11,452 pounds in 1982, up 96 pounds from 1981.

The count of plant patrons selling milk or cream in June 1982 totaled 25,491. This compares with the revised totals of 25,210 for June 1981 and 25,328 for June 1980. For 85 years from 1850 to 1935, the state added approximately 2,000 farms with milk cows each year. During the following 45 years (1935-1980) the number of dairy farms decreased at a rate of 3,500 farms per year. The decrease has been interrupted with more level counts quoted in this review for 1980, 1981 and 1982.

MINNESOTA MILK PRODUCTION, DISPOSITION, AND INCOME

Year	Total Milk Produced	Disposition of Milk Produced			Cash Receipts	Gross Producer Income
		Used on Farm Where Produced		Sale of Wholesale Milk		
		Fed to Calves	Consumed in Farm Household			
	Mil. Lbs.	Million Pounds			Thousand Dollars	Thousand Dollars
1978	9,089	110	47	8,925	880,294	884,928
1979	9,145	53	27	9,065	1,026,158	1,029,214
1980	9,535	47	23	9,465	1,173,660	1,176,512
1981	10,061	50	21	10,270	1,333,046	1,335,772
1982	10,341	--	--	--	--	--

MINNESOTA MANUFACTURED DAIRY PRODUCTS

Year	Butter	All Cheese	American Cheese	Non-Fat Dry Milk Solids	Dry Whey and Whey Fraction Solids	Ice Cream	Ice Milk	Milk Sherbet
	1,000 Pounds					1,000 Gallons		
1978	170,575	451,569	381,597	175,561	241,419	31,879	5,177	1,507
1979	154,872	479,952	419,304	151,144	252,833	32,523	5,122	1,507
1980	162,911	512,361	453,459	171,643	271,185	32,888	5,310	1,578
1981	176,122	558,004	490,734	186,069	276,596	33,772	5,263	1,629
1982	179,226	567,430	501,619	188,193	291,547	35,137	6,065	1,567

MILK COWS ON FARMS, EXCLUDES HEIFERS THAT HAVE NOT CALVED
(Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1978	850	845	839	830	825	825	825	830	835	840	845	850	837
1979	850	845	840	833	833	830	835	840	845	850	855	860	843
1980	855	850	850	850	855	855	860	865	870	875	880	880	862
1981	880	880	880	880	880	880	880	885	890	895	900	905	886
1982 1/	910	910	910	910	910	910	900	900	900	890	890	890	903

MILK PRODUCTION ON FARMS
(Million Pounds)

1978	782	756	856	851	879	866	776	681	626	651	642	723	9,089
1979	786	761	857	829	875	863	760	689	638	672	667	748	9,145
1980	774	765	859	859	906	889	808	753	709	713	708	792	9,535
1981	840	814	955	933	968	942	836	774	730	725	725	819	10,061
1982 1/	883	842	960	950	997	965	860	789	745	775	755	820	10,341

PERCENTAGE OF FAT IN MILK SOLD BY FARMERS TO DAIRY PLANTS
(Percent)

1978	3.66	3.63	3.61	3.59	3.55	3.52	3.51	3.51	3.59	3.70	3.75	3.76	3.61
1979	3.72	3.68	3.65	3.64	3.62	3.55	3.51	3.54	3.63	3.75	3.77	3.75	3.65
1980	3.71	3.68	3.69	3.64	3.57	3.51	3.48	3.50	3.63	3.75	3.77	3.75	3.64
1981	3.70	3.66	3.62	3.60	3.57	3.53	3.51	3.53	3.62	3.75	3.74	3.73	3.63
1982*	3.71	3.70	3.68	3.65	3.62	3.57	3.54	3.54	3.62	3.74	3.74	3.73	3.65

BUTTER MANUFACTURED
(Million Pounds)

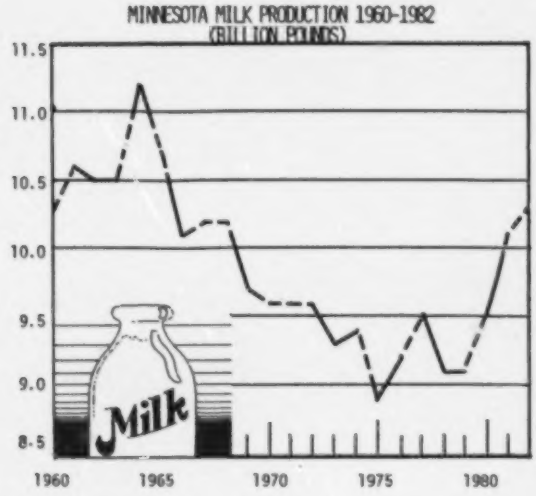
1978	16.0	14.6	16.5	16.6	17.2	16.1	14.7	12.4	11.4	11.9	10.7	12.6	170.6
1979	14.8	13.5	15.7	15.1	15.8	15.0	12.4	11.5	9.1	10.5	10.0	11.5	154.9
1980	12.6	13.4	14.7	15.2	15.1	13.8	13.0	13.9	12.9	12.2	12.2	13.9	162.9
1981	14.5	13.6	15.8	15.8	16.4	15.1	13.5	14.4	13.5	13.9	14.2	15.4	176.1
1982 1/	15.8	14.8	16.7	16.4	16.8	16.2	14.7	13.6	13.5	13.2	13.3	14.4	179.2

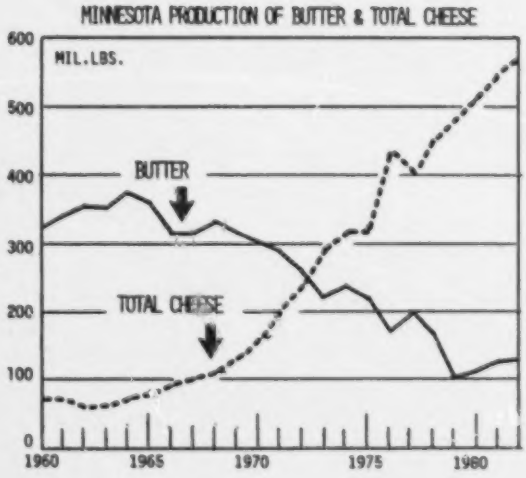
AMERICAN CHEESE MANUFACTURED
(Million Pounds)

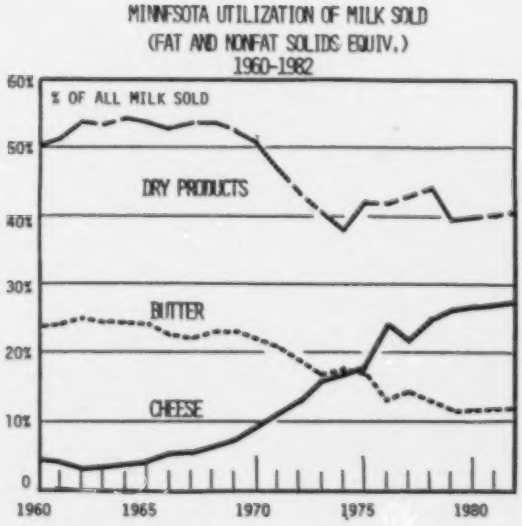
1978	30.8	30.5	35.1	34.1	36.3	35.3	27.7	27.1	25.2	31.4	32.0	36.1	381.6
1979	39.1	34.2	36.7	36.2	38.2	36.2	33.7	30.6	30.4	32.9	33.9	37.1	419.3
1980	38.8	37.9	39.3	38.6	41.3	40.4	36.1	33.5	32.5	37.2	36.1	41.7	453.5
1981	44.5	41.4	46.7	45.0	47.1	44.4	38.3	33.9	33.1	37.5	36.8	42.1	490.7
1982 1/	43.6	40.6	45.6	44.4	45.5	44.7	41.5	35.0	37.4	40.9	39.5	43.0	501.6

1/Monthly totals in 1982 derived, consistent with previously published quarterly estimates.
* Preliminary.

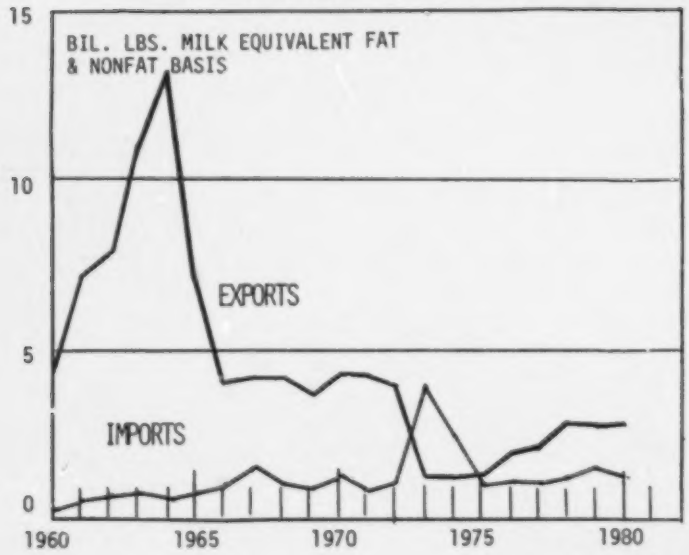
GRAPHIC GUIDE TO DAIRY PRODUCTION



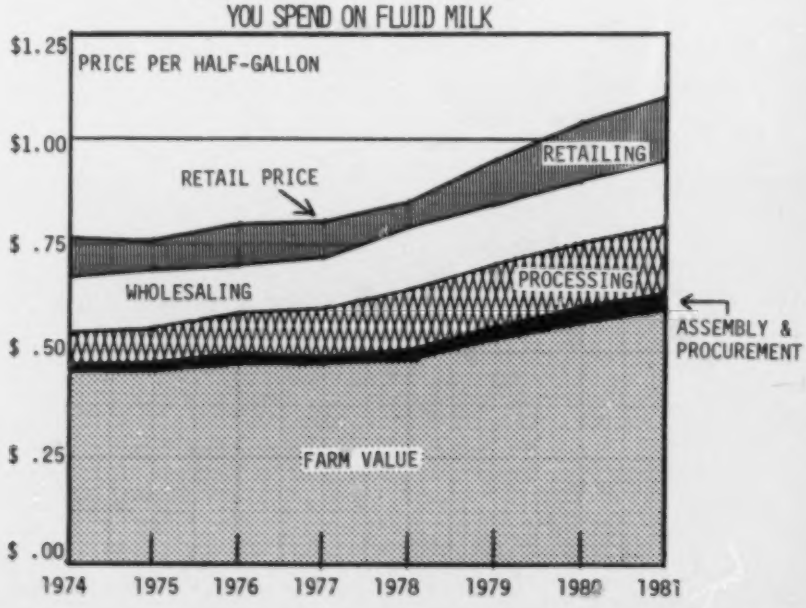




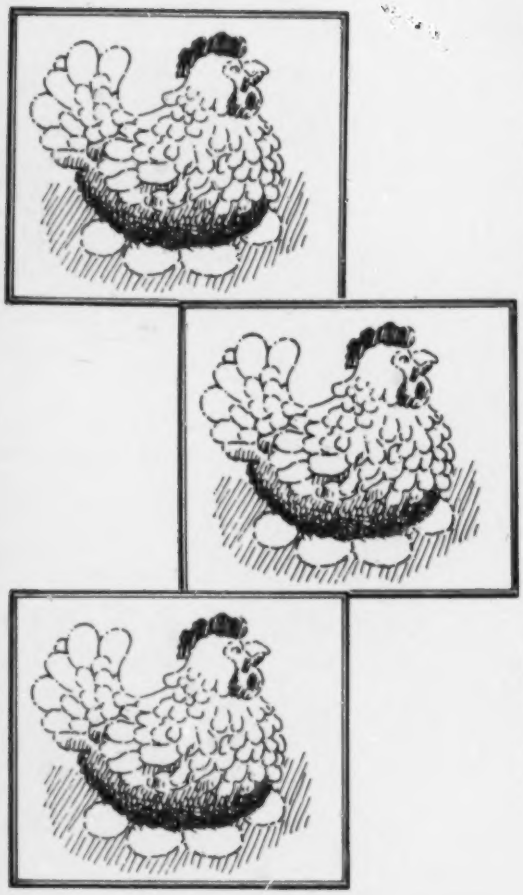
UNITED STATES DAIRY IMPORTS & EXPORTS



HERE'S WHAT HAPPENS TO THE MONEY
YOU SPEND ON FLUID MILK



Poultry



In 1982, Minnesota was second in the nation in turkey production as 26 million turkeys (21.7 million heavy and 4.3 million light) were raised. Even though Minnesota's growers increased their production to a record level, North Carolina was still first in the nation with 27 million. On December 1, 1982 growers had 523,000 breeder hens on hand, down 8% from the previous year. Value of production from turkeys raised in Minnesota in 1982 was $172.9 million, up 13% from 1981. The average price received for turkeys in 1982 was 39.0 cents per pound liveweight, up 3 cents from the previous year resulting in the higher value of production.

During 1982, hatcheries in the West North Central Region (includes the states Iowa, Kansas, Missouri, Nebraska, and Minnesota) hatched 58.8 million turkey poults, a 3% decrease from 1981.

The state's egg production in 1982 was 2,432 million eggs, (the highest since 1973), an increase of 3% over 1981. The average number of layers on farms increased 3% to 10.1 million. Minnesota maintained its ranking as the 11th state in total egg production and also in the average number of layers. Cash receipts from eggs decreased 2% from 1981 to $99.7 million as egg prices dropped 5% to 49.5 cents per dozen.

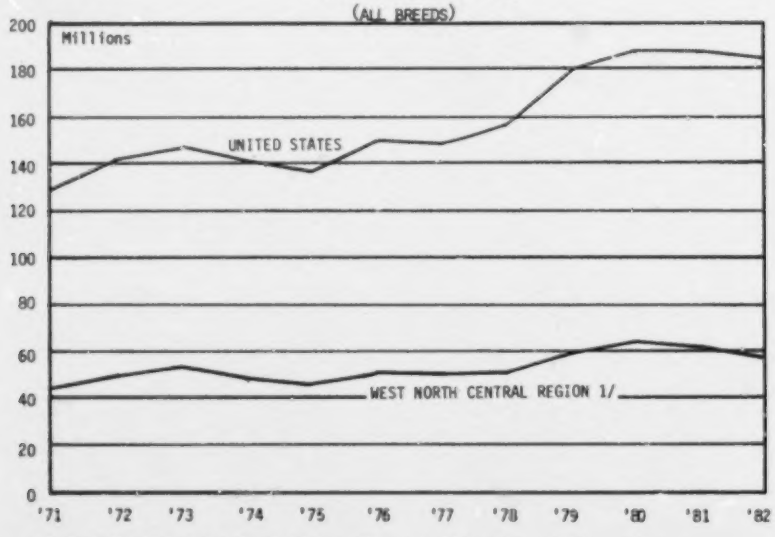
The total chicken inventory (excluding broilers) on December 1, 1982 decreased 2% to 13.3 million. The number of chickens raised (excluding broilers) was 10.5 million in 1982. Cash receipts from all chickens were 2.7 million as price per pound increased 7% to 7.5 cents.

In 1982, the number of broilers raised increased 10% to 23.7 million. A 13% decrease in gross income was the result of a decrease in price per pound.

Hatchery production of egg-type chicks increased 16% to 17.1 million while the broiler-type hatch increased 7% to 26.2 million in 1982.

These poultry estimates are based on survey data obtained from producers, hatcheries, and processing plants.

TURKEY POULTS HATCHED
(ALL BREEDS)



1/ Includes the states Iowa, Kansas, Missouri, Nebraska, and Minnesota.

MINNESOTA POULTRY

Year	Chickens On Farms Dec. 1		Number Raised 2/		Eggs Produced 2/	Hatchery Production Of Chicks 3/	Turkey Breeder Hens On Farms Dec. 1 1/	Turkeys Raised	Cash Receipts From Farm Sales		Gross Income From Turkeys
	All	Hens & Pullets of laying age	Chickens	Commercial Broilers					Chickens Including Broilers	Eggs	
	Thousands		Thousands		Million	Thousands			1,000 Dols.		1,000 Dols.
1978	11,920	9,300	9,089	15,100	2,189	41,946	593	21,238	20,642	75,011	154,885
1979	12,500	9,500	10,061	17,000	2,183	47,304	633	24,666	24,038	88,945	165,756
1980	13,000	10,000	9,435	19,400	2,223	44,758	625	25,500	27,652	82,579	167,790
1981	13,600	10,600	8,700	21,500	2,355	39,348	567	25,700	32,268	101,400	152,658
1982	13,300	10,500	10,500	23,700	2,432	43,321	523	26,000	29,333	99,701	172,887

1/ Breeder hen inventories reflect the number producing eggs during the following season.
2/ December previous year to November current year.
3/ Egg-type plus broiler-type.

MINNESOTA MONTHLY POULTRY PRODUCTION

CHICKENS: LAYERS ON FARMS
(Millions)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual 1/
1978	9.2	9.1	9.1	9.0	9.0	8.9	8.9	8.9	8.9	8.9	9.1	9.4	9.0
1979	9.4	9.2	9.0	9.1	9.0	8.9	8.8	8.7	9.0	9.2	9.3	9.2	9.1
1980	8.8	8.9	9.0	9.1	9.1	9.1	9.2	9.3	9.4	9.6	9.8	9.8	9.2
1981	9.6	9.6	9.6	9.7	9.7	9.7	9.8	9.9	10.1	10.3	10.5	10.6	9.9
1982 3/		10.5			9.9			9.9			10.3		10.1

EGGS: AVERAGE NUMBER LAID PER LAYER PER MONTH

1978	20.8	18.7	21.1	20.8	21.5	20.3	20.5	20.2	19.3	19.5	19.1	20.2	243
1979	20.2	18.5	20.8	20.3	21.2	20.0	20.0	20.3	19.7	20.1	19.7	20.8	241
1980	20.9	19.1	20.6	20.0	20.4	19.6	20.0	20.3	19.9	20.3	20.0	21.2	242
1981	20.7	18.2	20.6	19.8	20.4	19.9	20.6	20.7	18.0	18.7	20.2	20.7	239
1982 4/		59.1			59.8			60.3			61.0		240

EGGS: PRODUCTION ON FARMS 2/
(Million Eggs)

1978	191	171	192	187	193	180	182	179	170	174	174	190	2,189
1979	190	169	187	184	189	177	176	176	177	185	183	191	2,183
1980	184	170	185	181	186	178	183	188	187	194	196	208	2,223
1981	199	174	198	191	198	193	202	205	182	193	212	219	2,355
1982 5/		618			592			597			625		2,432

1/ Annual data represents December previous year to November current year.
2/ Based on unrounded number layers and eggs per layer.
3/ Average number of layers during the quarters:
Dec. 1982-Feb. 1983, March 1983-May 1983, June 1983-Aug. 1983, and Sept. 1983-Nov. 1983.
4/ Average number laid per layer per quarter.
5/ Egg production for the quarter.

Minnesota Monthly Poultry Production (continued)

CHICKENS: HATCHERY PRODUCTION
Egg Type (Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1978	1,292	1,758	1,825	2,802	2,651	2,806	1,797	2,068	1,966	2,062	2,187	1,963	25,177
1979	2,161	2,176	2,352	2,672	3,233	2,667	2,323	2,261	1,897	1,803	2,063	2,218	27,826
1980	1,488	2,521	2,085	2,644	2,593	2,155	2,122	1,986	1,451	1,402	1,177	1,492	23,116
1981	1,156	1,100	1,145	1,769	1,766	1,910	974	916	759	919	1,017	1,342	14,773
1982	1,060	1,316	1,301	1,812	1,705	1,545	1,729	1,264	1,159	1,302	1,565	1,358	17,116

CHICKENS: HATCHERY PRODUCTION
Broiler Type (Thousands)

1978	999	1,243	1,283	1,843	2,546	1,661	1,314	1,372	1,011	1,099	1,362	1,036	16,769
1979	1,025	1,324	1,459	2,264	3,019	1,958	1,301	1,779	1,240	1,263	1,472	1,374	19,478
1980	1,332	1,798	1,792	2,588	3,123	2,029	1,458	1,706	1,372	1,285	1,708	1,451	21,642
1981	1,387	1,842	2,041	2,416	3,244	2,168	1,799	2,229	2,072	1,531	2,145	1,701	24,575
1982	1,770	2,156	2,256	2,623	3,302	2,336	1,864	2,401	1,759	1,622	2,302	1,814	26,205

TURKEYS: HATCHERY PRODUCTION OF POULTS 1/
Heavy Breeds (Thousands)

1978	2,955	4,143	6,489	6,597	7,409	6,382	4,792	2,221	1,165	1,129	1,397	2,247	46,926
1979	3,815	4,779	6,672	7,017	7,335	6,348	4,932	2,798	1,718	1,873	1,982	2,690	51,959
1980	4,481	5,354	6,350	7,023	7,567	6,860	5,319	2,972	2,002	2,320	2,512	3,007	55,767
1981	4,223	5,128	5,995	6,788	7,682	7,083	5,432	2,957	1,728	2,459	2,489	2,795	54,759
1982 2/													

TURKEYS: HATCHERY PRODUCTION OF POULTS 1/
Light Breeds (Thousands)

1978	247	341	359	460	494	449	466	471	299	398	503	510	4,997
1979	305	483	551	642	726	732	672	590	558	614	620	708	7,201
1980	682	639	573	655	596	686	849	745	352	675	623	686	7,761
1981	704	574	570	564	597	668	587	432	79	0	251	535	5,561
1982 2/													

TURKEYS: HATCHERY PRODUCTION OF POULTS 1/
All Breeds (Thousands)

1978	3,202	4,484	6,848	7,057	7,903	6,831	5,258	2,692	1,464	1,527	1,900	2,757	51,923
1979	4,120	5,262	7,223	7,659	8,061	7,080	5,604	3,388	2,276	2,487	2,602	3,398	59,160
1980	5,163	5,993	6,923	7,678	8,163	7,546	6,168	3,717	2,354	2,995	3,135	3,693	63,528
1981	4,927	5,702	6,565	7,352	8,279	7,751	6,019	3,389	1,807	2,459	2,740	3,330	60,320
1982	3,525	4,749	6,144	7,713	7,197	7,487	7,208	4,289	1,839	2,499	2,879	3,276	58,805

1/ West North Central Region (Includes the states Iowa, Kansas, Missouri, Nebraska, and Minnesota).
2/ Heavy and Light Breeds combined to avoid disclosure of individual operations.

These published prices represent the average received by farmers for all grades, weights, and classes. The tables provide a historical view of seasonal and monthly average prices. The season average price represents the average price received by Minnesota farmers during the marketing year. To calculate the season average price, the monthly prices are weighted by estimated percentages of sales made each month during the marketing season.

CROP PRICES

The primary sources of the crop prices listed in the following tables are elevators and dealers which buy directly from farmers. The marketing year for different crops can be found in the footnotes following the tables.

During 1982, many crop prices fell to their lowest levels in recent years. The season average price for sunflowers was the lowest since 1973. Soybeans were the lowest since 1975; barley and flax, since 1977; corn and wheat, since 1978; oats and potatoes, since 1979. One exception to the downward trend was the price for all hay, which reached its highest level since 1976.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR CROPS

CORN 1/
(Dollars per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1978	1.80	1.86	1.97	2.12	2.18	2.16	2.00	1.84	1.78	1.76	1.83	1.89	2.08
1979	1.88	1.93	1.97	2.06	2.19	2.31	2.43	2.25	2.24	2.10	1.90	2.03	2.26
1980	2.04	2.04	2.06	2.13	2.21	2.29	2.47	2.68	2.74	2.77	2.86	2.99	2.85
1981	3.04	2.96	3.04	3.09	3.08	3.03	2.98	2.68	2.41	2.24	2.19	2.15	2.33
1982	2.24	2.22	2.26	2.38	2.38	2.42	2.33	2.09	2.00	2.00	1.99	2.07	2.15 4/

SOYBEANS 2/
(Dollars per Bushel)

1978	5.43	5.30	6.07	6.53	6.61	6.45	6.29	6.09	6.03	6.04	6.14	6.26	6.52
1979	6.42	6.80	6.96	6.86	6.91	7.18	7.16	6.74	6.47	6.14	5.11	5.85	6 00
1980	5.87	5.83	5.41	5.41	5.53	5.80	6.46	6.95	7.24	7.33	8.05	7.44	7.23
1981	7.56	6.94	7.31	7.70	7.38	7.00	7.04	6.59	6.10	5.86	5.91	5.76	5.77
1982	5.79	5.67	5.73	5.99	6.12	5.98	5.80	5.45	5.13	5.13	5.12	5.18	5.40 4/

SUNFLOWERS 2/
(Dollars per 100 Pounds)

1978													11.15
1979										10.00	9.74	9.89	9.59
1980	8.81	8.34	7.85	7.86	8.19	8.52	10.00	10.60	10.30	10.50	10.90	11.30	11.10
1981	11.00	10.80	10.70	11.20	12.10	12.00	11.20	11.80	10.70	10.60	10.70	11.40	11.00
1982	10 90	11.50	11.20	11.90	11.90	11.70	9.50	9.90	10.20	8.60	8.70	8.30	8.68 4/

ALL WHEAT 3/
(Dollars per Bushel)

1978	2.58	2.54	2.66	2.83	2.86	2.82	2.77	2.80	2.82	2.93	2.96	2.90	2.96
1979	2.84	2.86	2.88	2.97	3.25	3.64	3.92	3.81	3.71	3.88	3.82	3.64	3.71
1980	3.60	3.60	3.60	3.82	3.84	3.89	4.17	4.07	3.95	4.08	4.31	4.24	4.04
1981	4.28	4.38	4.25	4.25	4.20	4.07	3.97	3.76	3.79	3.84	3.80	3.76	3.72
1982	3.75	3.72	3.70	3.76	3.75	3.67	3.65	3.49	3.46	3.47	3.55	3.42	3.54 4/

OATS 3/
(Dollars per Bushel)

1978	1.12	1.09	1.10	1.15	1.22	1.13	1.02	1.02	1.04	1.06	1.11	1.14	1.12
1979	1.20	1.20	1.22	1.23	1.25	1.32	1.33	1.14	1.19	1.26	1.26	1.19	1.26
1980	1.33	1.24	1.24	1.35	1.38	1.40	1.45	1.39	1.57	1.67	1.82	1.83	1.70
1981	1.92	2.00	2.04	2.01	1.94	1.92	1.78	1.65	1.71	1.80	1.92	1.90	1.82
1982	1.97	1.97	1.94	1.98	1.89	1.86	1.61	1.25	1.23	1.20	1.30	1.41	1.35 4/

1/ Marketing year, October through September.
2/ Marketing year, September through August.
3/ Marketing year, July through June.
4/ Preliminary 1982.
NOTE: Season average price includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate. Monthly prices do not include this allowance.

BARLEY 3/
(Dollars Per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1978	1.73	1.81	1.86	1.92	2.00	1.93	1.65	1.64	1.71	1.87	1.93	1.96	1.87
1979	1.87	1.85	1.92	2.04	2.16	2.21	2.28	2.12	2.32	2.29	2.37	2.24	2.15
1980	2.04	2.11	2.14	2.05	2.10	2.29	2.60	2.56	2.75	2.87	2.98	3.01	2.75
1981	2.38	3.09	3.01	3.11	2.94	2.60	2.27	2.15	2.39	2.19	2.23	2.20	2.21
1982	2.30	2.34	2.40	2.34	2.30	2.26	2.13	1.86	1.63	1.74	1.73	1.71	1.80 4/

ALL HAY, BALED 1/
(Dollars Per Ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1978	42.00	43.50	42.50	43.00	47.00	42.00	44.50	44.50	43.50	39.50	41.00	41.00	41.00
1979	39.50	39.50	39.50	40.50	42.00	34.50	36.50	33.50	35.50	37.00	37.50	39.50	36.50
1980	36.50	37.00	36.00	36.00	40.50	50.00	46.00	57.00	63.00	60.00	63.00	58.00	56.00
1981	61.00	58.00	53.00	57.00	57.00	63.00	59.00	62.00	64.00	66.00	69.00	81.00	68.00
1982	76.00	86.00	87.00	79.00	89.00	65.00	56.00	61.00	57.00	62.00	70.00	74.00	69.50 4/

ALFALFA HAY, BALED 1/
(Dollars Per Ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1978	45.00	46.00	45.00	45.50	50.00	44.50	47.00	47.00	45.50	41.50	43.50	43.50	2/
1979	42.00	42.00	42.00	43.00	44.50	36.00	37.00	34.50	36.50	38.50	40.50	40.50	2/
1980	38.00	39.00	37.00	38.00	41.50	52.00	47.00	59.00	68.00	62.00	68.00	62.00	2/
1981	64.00	60.00	54.00	60.00	58.00	65.00	63.00	66.00	71.00	70.00	74.00	87.00	2/
1982	85.00	92.00	92.00	84.00	94.00	70.00	58.00	64.00	60.00	66.00	77.00	80.00	2/

ALL OTHER HAY, BALED 1/
(Dollars Per Ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1978	31.00	33.50	33.00	33.50	36.50	33.00	35.50	34.00	35.00	31.50	31.50	31.00	2/
1979	30.00	31.00	30.00	31.50	32.00	26.00	31.50	28.00	27.00	27.50	28.00	31.50	2/
1980	30.00	28.00	29.00	26.00	32.00	30.00	34.00	50.00	44.00	54.00	46.00	45.00	2/
1981	53.00	51.00	48.00	48.00	52.00	54.00	44.00	45.00	45.00	56.00	53.00	70.00	2/
1982	56.00	63.00	69.00	63.00	68.00	45.00	48.00	47.00	44.00	45.00	53.00	55.00	2/

FLAXSEED 3/
(Dollars Per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1978	4.05	4.06	4.31	4.83	5.44	5.97	5.36	5.29	5.31	5.21	5.32	5.36	5.70
1979	5.80	6.03	6.77	7.00	6.89	7.24	6.82	6.52	6.42	5.54	5.57	5.57	6.02
1980	5.39	5.83	5.94	5.40	5.94	6.07	6.80	7.10	7.13	6.88	7.14	7.56	7.18
1981	7.40	7.39	7.33	7.56	7.68	7.74	5/	7.18	6.40	6.33	6.61	7.18	6.88
1982	6.85	7.06	6.89	6.81	6.74	6.88	6.46	5.30	5.14	5.26	4.92	4.76	5.30 4/

POTATOES
(Dollars Per 100 Pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1978	2.65	2.75	2.75	2.90	2.95	2.90	6.00	5.12	3.47	2.40	2.60	2.75	2.95
1979	2.93	2.81	2.70	2.75	3.00	3.00	5.00	3.53	2.78	2.82	2.65	2.84	3.11
1980	3.50	3.30	3.15	3.00	3.30	3.50	3.60	9.90	6.95	4.90	4.90	6.55	8.00
1981	7.80	8.10	9.50	10.70	10.70	5/	9.20	7.50	6.35	4.75	4.40	4.80	4.90
1982	5.20	4.80	4.20	4.60	4.40	3.60	3.60	5.20	3.80	4.10	3.60	4.00	4.10 4/

1/ Marketing year, June through May. 2/ Not available. 3/ Marketing year, July through June.
4/ Preliminary 1982. 5/ Volume of sales too small to make a price estimate. NOTE: Season average price includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate. Monthly prices do not include this allowance.

The livestock and dairy price statistics included in these tables are based on reports from farmers, auction markets, livestock buyers, meat and poultry processing plants, the South St. Paul market, produce houses, egg handlers and dealers, marketing cooperatives, dairy plants, and other firms doing business with farmers.

The marketing year for livestock, dairy, and poultry items is a calendar year, except for hogs, chickens, and eggs, which are on a December-November basis.

The 1982 annual average price for beef cattle declined 4% from 1981. Prices for calves were 11% lower, sheep prices declined 8% and wool prices dropped 31%. The 1982 annual average price for hogs increased 21% from 1981. Lamb prices averaged 3% higher and turkey prices were up 8%.

The 1982 preliminary annual average price for all milk was 9 cents lower than a year earlier. Manufacturing grade milk was down 3 cents and grade A milk was down 12 cents.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK

BEEF CATTLE 1/
(Dollars per 100 Pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1978	34.30	37.00	39.50	43.30	46.80	48.20	46.30	44.80	45.50	45.70	44.80	48.20	43.50
1979	54.30	57.60	60.40	65.00	64.50	63.00	60.10	56.50	58.50	55.90	55.40	56.00	58.90
1980	56.10	60.20	57.60	54.10	54.20	55.60	55.40	57.40	58.40	55.20	53.10	51.50	55.70
1981	51.40	52.20	51.80	51.80	53.00	54.50	52.30	51.80	53.80	47.80	47.10	43.50	50.80
1982	43.60	47.40	49.10	52.40	54.80	54.40	50.50	50.70	48.10	46.80	43.10	43.20	48.60

STEERS AND HEIFERS
(Dollars per 100 Pounds)

1978	40.20	42.20	44.20	49.30	52.60	54.80	52.00	49.20	51.50	51.90	50.30	52.70	49.10
1979	58.30	62.20	67.00	72.00	70.20	67.20	64.30	60.20	63.00	61.90	62.50	62.60	64.20
1980	62.20	65.20	62.60	58.40	58.30	60.40	62.60	64.50	64.40	61.40	60.70	59.50	61.70
1981	57.40	58.10	56.90	57.00	58.30	59.70	58.10	57.10	59.20	54.50	54.10	52.00	57.00
1982	51.80	55.10	57.10	59.10	61.20	60.50	57.30	57.80	54.60	53.30	50.20	50.40	55.90

COWS 2/
(Dollars per 100 Pounds)

1978	28.50	31.80	34.20	37.10	40.30	39.80	40.10	38.10	39.60	40.60	39.90	42.40	37.50
1979	48.70	51.90	53.20	55.10	57.20	51.20	50.30	48.80	49.60	47.00	45.80	47.60	50.70
1980	48.40	50.40	48.20	46.60	43.00	45.20	44.50	46.40	47.00	45.80	43.40	41.50	45.80
1981	42.90	44.10	43.60	44.30	43.30	43.20	43.00	43.80	41.90	38.50	36.60	34.90	41.40
1982	35.80	37.70	39.80	40.90	42.70	42.60	41.00	40.10	39.60	38.30	35.00	34.50	38.70

CALVES
(Dollars per 100 Pounds)

1978	40.00	43.30	47.30	55.90	61.20	61.60	63.40	66.30	67.40	68.00	65.00	68.10	58.20
1979	71.50	79.20	87.20	91.30	95.40	86.40	83.20	78.30	90.00	80.00	77.00	75.30	81.90
1980	84.70	91.30	77.50	75.70	72.20	78.40	79.10	80.50	79.50	72.70	71.50	69.20	78.30
1981	72.00	70.60	70.30	75.00	71.70	74.60	70.40	71.20	68.90	61.00	58.70	57.80	67.40
1982	54.60	54.40	61.00	61.90	64.60	71.60	66.90	67.00	64.40	58.60	53.60	52.90	60.30

1/ "Cows" and "Steers and Heifers" combined.
2/ Beef cows sold for slaughter and herd replacement, and cull dairy cows sold for slaughter.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK (CONT.)

HOGS 1/
(Dollars per 100 Pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1978	44.10	48.20	47.10	45.30	48.70	47.80	45.40	47.40	47.60	51.10	46.90	47.80	46.70
1979	51.10	53.30	50.00	44.30	43.90	39.00	37.10	34.80	36.50	33.10	33.80	37.00	42.00
1980	36.60	37.00	33.90	28.50	28.70	32.60	41.50	46.60	46.30	47.50	45.70	43.80	38.30
1981	40.70	41.40	38.90	39.00	40.10	47.50	49.50	49.30	48.90	45.00	40.30	38.40	43.60
1982	43.10	48.20	49.10	51.60	57.40	57.90	58.80	62.00	61.80	56.00	52.60	53.40	52.60

SHEEP
(Dollars per 100 Pounds)

1978	20.10	17.70	19.30	18.20	18.00	19.60	20.40	21.70	24.90	23.50	22.50	23.70	20.90
1979	27.50	28.90	29.00	28.20	26.00	25.00	23.10	22.90	23.70	21.50	20.40	26.50	24.60
1980	22.60	21.50	21.50	19.50	16.80	15.40	16.30	14.80	15.30	16.10	15.40	19.30	17.00
1981	19.30	20.40	21.20	19.10	14.70	14.50	18.60	18.00	15.30	13.40	13.90	15.20	16.40
1982	17.50	16.90	17.10	16.60	14.20	15.10	17.10	16.40	13.40	12.90	12.60	13.80	15.10

LAMBS
(Dollars per 100 Pounds)

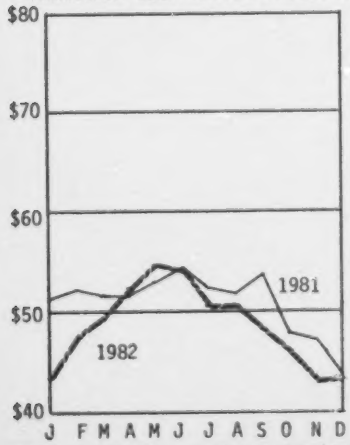
1978	62.40	66.40	69.90	64.20	69.80	64.10	57.10	57.80	65.00	66.20	61.80	65.10	64.00
1979	78.20	73.50	64.50	69.70	71.30	66.70	63.30	60.00	65.70	64.00	65.40	67.30	66.90
1980	66.10	64.20	66.70	59.80	61.30	65.40	67.20	65.80	66.80	63.60	57.70	55.90	63.20
1981	51.30	53.10	55.30	58.80	63.80	66.40	60.00	55.60	52.40	52.30	48.90	45.10	52.90
1982	51.00	54.70	60.50	63.10	66.60	59.00	57.50	53.50	52.40	49.50	48.30	50.00	54.70

WOOL
(Cents per Pound)

1978	67	67	67	66	66	67	67	66	67	68	69	69	67
1979	69	70	71	72	73	70	66	67	68	68	74	71	71
1980	73	76	79	75	67	67	66	66	67	68	71	72	73
1981	72	73	71	67	68	71	67	68	69	70	64	64	70
1982	56	55	53	50	43	41	41	42	39	50	38	41	48

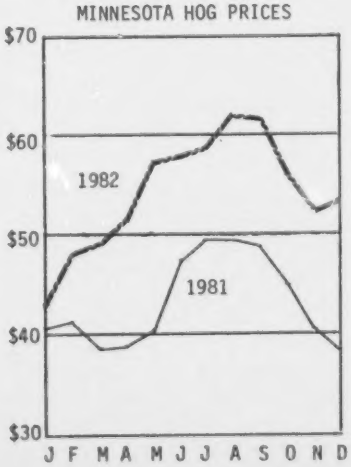
1/ Annual average price is the marketing year average--December previous year through November current year.

MINNESOTA BEEF CATTLE PRICES 1/

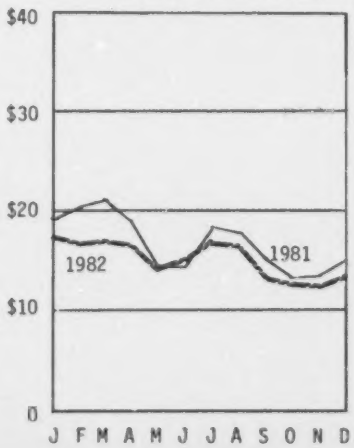


1/"Cows" and "Steers and Heifers" combined.

MINNESOTA HOG PRICES



MINNESOTA SHEEP PRICES



MILK COWS 1/
(Dollars per Head)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1978	525	530	565	605	620	640	650	655	725	770	780	795	655
1979	860	920	965	995	1,010	980	975	995	1,030	1,020	1,030	1,050	985
1980	1,100	1,120	1,120	1,150	1,170	1,170	1,150	1,150	1,170	1,180	1,200	1,180	1,160
1981	1,200	1,190	1,190	1,190	1,180	1,180	1,180	1,190	1,180	1,170	1,160	1,130	1,180
1982 2/	1,120	--	--	1,090	--	--	1,090	--	--	1,050	--	--	1,090

ALL MILK
(Dollars per 100 Pounds)

1978	9.28	9.33	9.40	9.48	9.47	9.46	9.54	9.90	10.25	10.71	11.02	11.15	9.86
1979	11.07	10.97	11.00	11.06	11.07	11.01	11.09	11.40	11.71	11.93	12.01	11.98	11.32
1980	11.98	11.95	12.07	12.10	12.04	12.02	12.00	12.21	12.65	13.20	13.36	13.42	12.40
1981	13.33	13.25	13.12	13.08	12.97	12.85	12.80	12.82	13.00	13.27	13.28	13.23	13.08
1982*	13.18	13.12	13.01	12.93	12.87	12.76	12.80	12.78	12.93	13.14	13.20	13.20	12.99

FLUID MARKET MILK
(Dollars per 100 Pounds)

1978	9.56	9.61	9.66	9.75	9.76	9.74	9.81	10.14	10.52	10.95	11.30	11.50	10.15
1979	11.44	11.35	11.38	11.41	11.42	11.37	11.49	11.71	12.02	12.23	12.35	12.32	11.69
1980	12.31	12.30	12.42	12.42	12.34	12.30	12.27	12.48	12.93	13.51	13.65	13.71	12.71
1981	13.63	13.57	13.39	13.37	13.25	13.11	13.06	13.06	13.22	13.49	13.50	13.47	13.34
1982*	13.44	13.41	13.24	13.16	13.09	12.96	13.06	13.00	13.18	13.30	13.38	13.40	13.22

MANUFACTURING GRADE MILK
(Dollars per 100 Pounds)

1978	8.99	9.05	9.14	9.21	9.19	9.20	9.27	9.64	9.95	10.42	10.68	10.74	9.54
1979	10.67	10.55	10.60	10.69	10.70	10.64	10.68	11.06	11.35	11.54	11.58	11.55	10.92
1980	11.52	11.49	11.60	11.70	11.65	11.66	11.65	11.83	12.26	12.73	12.92	12.98	11.96
1981	12.88	12.80	12.74	12.67	12.59	12.48	12.43	12.45	12.65	12.91	12.91	12.85	12.69
1982*	12.81	12.73	12.67	12.58	12.55	12.45	12.41	12.45	12.56	12.90	12.92	12.91	12.66

1/ Milk cows sold for dairy herd replacement only.
2/ Quarterly effective January 1982.
* Preliminary.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR POULTRY

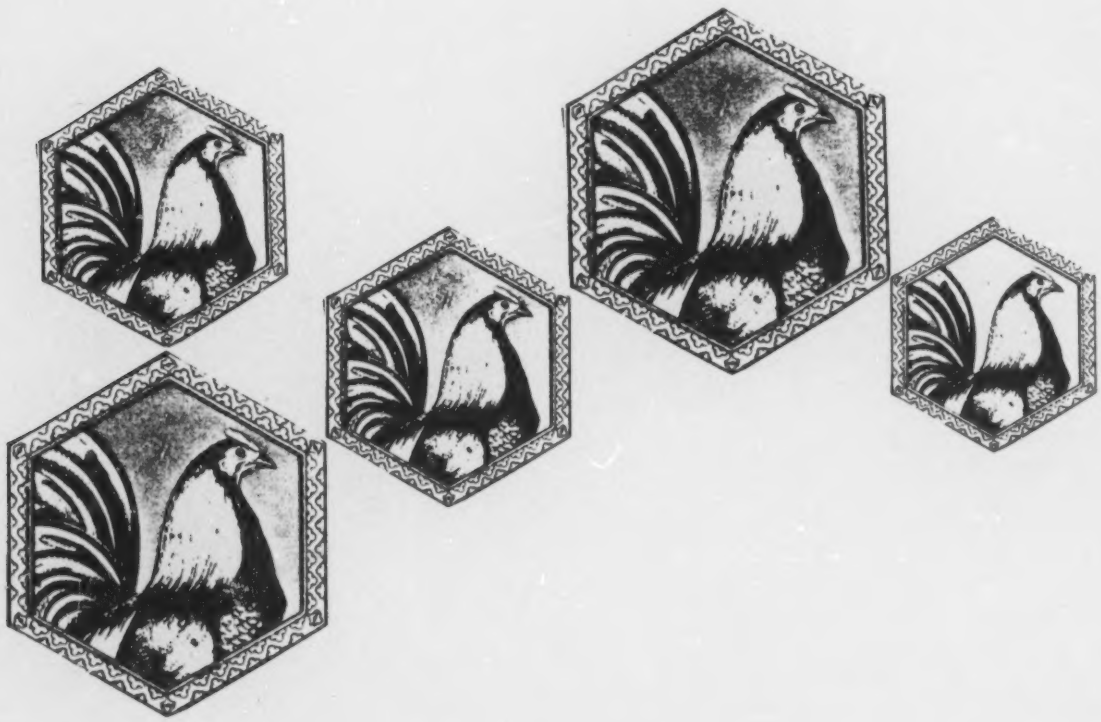
TURKEYS
(Cents Per Pound)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1978	37.0	36.0	37.0	36.0	38.0	40.0	40.0	42.0	43.0	45.0	46.0	49.0	42.4
1979	47.0	44.0	42.0	43.0	40.0	37.0	36.0	37.0	37.0	38.0	45.0	46.0	40.0
1980	37.0	35.0	34.0	32.0	31.0	31.0	38.0	40.0	44.0	47.0	48.0	42.0	40.0
1981	36.0	35.0	38.0	36.0	39.0	39.0	40.0	38.0	36.0	31.0	34.0	31.0	36.0
1982	33.0	34.0	34.0	35.0	36.0	38.0	40.0	40.0	41.0	42.0	42.0	30.0	39.0

ALL EGGS 1/
(Cents Per Dozen)

1978	38.1	43.0	46.3	43.0	38.3	35.2	39.7	40.4	42.4	42.2	45.5	54.5	41.5
1979	51.8	49.8	55.3	52.7	50.4	47.2	45.4	44.3	47.6	43.1	48.2	53.6	49.3
1980	47.8	38.5	44.4	43.2	35.3	37.6	38.9	47.3	49.1	46.7	54.8	65.9	44.9
1981	53.9	49.8	49.1	52.0	42.5	46.0	47.0	48.3	53.5	54.9	59.7	49.6	52.0
1982 2/	50.5	53.5	54.7	51.4	43.3	42.3	43.6	38.9	44.7	46.3	48.7	40.6	47.5

1/ Marketing year average-December previous year through November current year.
2/ Effective December 1981, table market eggs are published instead of "all" eggs. Table market eggs include eggs sold retail by the producer.



BRAN
(Dollars Per Cwt.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual Average Price 1/
1978	7.00	7.10	7.10	7.20	7.00	7.00	6.90	6.70	6.80	6.90	7.40	7.70	7.07
1979	7.90	8.10	8.30	8.40	8.20	8.00	8.40	8.10	8.10	8.40	8.40	8.40	8.23
1980	8.40	8.30	8.30	8.20	8.10	8.00	8.10	8.10	8.20	8.50	9.00	9.40	8.38
1981	9.10	9.20	9.30	9.10	9.20	9.20	9.00	8.90	8.70	8.70	8.80	8.60	8.98
1982	8.90	8.80	8.50	8.60	8.70	8.70	8.70	8.70	8.70	8.50	8.40	8.40	8.63

MIDDLINGS
(Dollars Per Cwt.)

1978	6.80	6.70	6.80	6.90	6.80	6.70	6.70	6.50	6.50	6.70	7.10	7.40	6.80
1979	7.80	7.90	8.10	8.30	7.90	7.90	8.30	8.00	7.90	8.30	8.30	8.10	8.07
1980	8.20	8.10	8.20	8.00	7.70	7.80	7.40	8.00	8.00	8.10	8.80	8.90	8.10
1981	8.80	8.80	8.70	8.80	8.90	9.10	8.90	8.60	8.40	8.60	8.50	8.40	8.71
1982	8.70	8.40	8.50	8.90	9.10	8.80	8.80	8.80	8.50	8.40	8.10	8.40	8.62

SOYBEAN MEAL, 44%
(Dollars Per Cwt.)

1978	10.30	9.70	10.40	11.20	11.00	11.20	11.00	10.50	10.70	10.90	11.50	11.60	10.83
1979	11.70	11.90	12.00	12.10	12.10	12.60	13.50	12.40	12.10	12.10	11.60	12.00	12.18
1980	11.60	11.60	11.50	10.50	11.00	11.00	12.00	13.00	13.50	14.50	16.00	15.00	12.60
1981	14.50	13.70	13.00	13.50	13.50	13.50	13.00	13.00	12.50	12.00	11.50	12.00	12.98
1982	12.50	12.10	11.80	11.90	12.00	12.10	12.00	11.50	11.00	11.00	11.00	11.50	11.70

BEEF CATTLE CONCENTRATE, 32%-36%
(Dollars Per Cwt.)

1978	9.50	9.10	9.30	9.70	9.60	9.50	9.70	9.30	9.30	9.80	10.10	10.30	9.60
1979	10.30	10.50	10.70	10.20	10.10	10.60	11.30	10.70	10.80	11.30	10.90	11.50	10.74
1980	11.00	10.90	10.80	10.50	10.50	10.50	11.00	12.00	12.00	12.50	13.50	13.00	11.52
1981	13.00	12.20	12.00	12.50	12.50	12.50	12.00	12.00	12.00	11.50	11.50	12.50	12.18
1982	12.00	12.00	11.50	12.00	12.00	12.50	12.00	12.00	11.50	12.00	11.50	11.50	11.88

HOG CONCENTRATE, 38%-42%
(Dollars Per Cwt.)

1978	12.30	11.80	12.40	13.10	12.80	13.10	13.10	12.60	12.90	13.20	13.60	13.80	12.89
1979	13.70	14.00	14.40	14.40	14.20	14.60	15.60	14.30	14.20	14.50	14.10	14.50	14.38
1980	14.00	14.30	14.30	13.50	14.00	13.40	14.60	15.60	16.30	17.00	18.50	17.60	15.26
1981	17.00	15.90	15.50	16.00	16.50	16.00	16.10	16.10	15.40	15.30	14.90	15.20	15.83
1982	14.90	14.90	14.70	14.90	15.00	15.00	15.00	14.10	14.10	13.80	14.10	14.40	14.58

1/ Annual average prices are straight rather than weighted averages.

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES

Dairy Feed, 16%
(Dollars Per Ton)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual Average Price 1/
1978	125	120	122	126	128	134	129	124	126	128	133	131	127
1979	132	138	137	137	139	144	158	144	147	150	147	154	144
1980	151	146	148	147	154	151	157	169	174	177	188	190	163
1981	198	180	173	178	185	182	177	174	168	167	162	166	176
1982	163	161	164	168	170	165	164	163	155	153	158	160	162

DAIRY FEED, 32%
(Dollars Per Ton)

1978	199	190	198	205	210	210	205	197	198	205	215	215	204
1979	215	220	230	225	220	230	245	230	230	245	230	240	230
1980	230	235	235	225	235	235	245	275	275	280	305	300	256
1981	300	275	280	280	290	280	270	275	270	265	265	255	275
1982	265	255	250	270	270	270	255	255	265	250	255	260	260

LAYING FEED
(Dollars Per Ton)

1978	157	156	161	163	175	165	163	156	156	163	160	168	162
1979	167	169	170	173	175	178	186	176	177	178	183	192	177
1980	185	172	171	173	181	182	185	193	210	192	200	215	188
1981	215	205	220	215	220	220	205	198	210	200	196	210	210
1982	194	194	200	200	205	205	200	200	188	185	190	200	197

CHICK STARTER
(Dollars Per Ton)

1978	185	182	185	193	191	194	194	185	186	190	196	200	190
1979	197	200	205	200	200	205	225	210	210	215	210	215	208
1980	210	205	210	205	210	210	220	230	240	240	250	260	224
1981	260	245	240	245	255	245	245	240	235	230	225	230	241
1982	225	225	220	225	230	230	225	220	215	210	210	230	222

BROILER GROWER
(Dollars Per Ton)

1978	152	161	155	164	162	164	162	154	151	160	158	168	159
1979	161	163	159	168	173	172	193	169	175	180	179	185	173
1980	180	168	177	181	185	182	191	205	205	220	240	245	198
1981	235	230	220	230	235	235	245	225	235	220	210	220	228
1982	205	205	205	205	215	205	210	197	182	191	195	205	202

1/ Annual average prices are straight rather than weighted averages.

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES

CORN MEAL
(Dollars Per Cwt.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual Average Price 1/
1978	4.60	4.50	4.55	4.90	4.85	4.95	4.90	4.80	4.75	4.70	4.70	4.85	4.75
1979	4.75	4.75	4.80	4.95	5.00	5.30	5.70	5.40	5.40	5.40	5.30	5.50	5.19
1980	5.30	5.30	5.40	5.20	5.50	5.40	5.90	6.00	6.10	5.80	6.30	5.90	5.68
1981	6.30	6.20	6.10	6.30	6.50	6.50	6.60	6.20	6.10	5.80	5.80	5.00	6.12
1982	5.30	4.80	5.00	5.30	5.30	5.60	5.70	5.10	5.10	4.85	4.90	4.90	5.15

GASOLINE (SERVICE STATION), UNLEADED REGULAR
(Dollars Per Gallon)

1978	.630	.640	.640	.640	.640	.650	.650	.660	.670	.680	.680	.690	.660
1979	.700	.720	.740	.790	.830	.880	.930	.990	1.01	1.03	1.05	1.07	.890
1980	1.11	1.17	1.23	1.26	1.29	1.29	1.28	1.28	1.27	1.26	1.26	1.27	1.250
1981	1.29	1.38	1.42	1.41	1.40	1.40	1.38	1.39	1.38	1.38	1.38	1.38	1.380
1982	1.36	1.36	1.31	1.25	1.27	1.36	1.38	1.37	1.36	1.35	1.35	1.32	1.340

LEADED REGULAR GASOLINE, BULK DELIVERY
(Dollars Per Gallon)

1978	.590	.590	.590	.590	.600	.610	.610	.620	.630	.630	.630	.640	.610
1979	.650	.670	.690	.730	.760	.820	.860	.920	.940	.960	.980	1.00	.830
1980	1.04	1.10	1.16	1.19	1.22	1.23	1.21	1.21	1.19	1.19	1.20	1.22	1.180
1981	1.24	1.31	1.35	1.34	1.32	1.33	1.32	1.33	1.31	1.31	1.32	1.32	1.320
1982	1.29	1.30	1.25	1.19	1.21	1.30	1.31	1.30	1.31	1.30	1.29	1.26	1.280

DIESEL FUEL
(Dollars Per Gallon)

1978	.470	.460	.460	.450	.450	.460	.460	.460	.460	.460	.470	.490	.460
1979	.500	.510	.540	.600	.630	.690	.730	.800	.840	.850	.870	.890	.700
1980	.920	.950	.980	.990	1.02	1.02	1.01	.990	1.00	.980	1.01	1.03	.990
1981	1.05	1.16	1.19	1.19	1.17	1.17	1.16	1.16	1.16	1.16	1.16	1.16	1.160
1982	1.15	1.16	1.10	1.04	1.07	1.15	1.15	1.13	1.12	1.14	1.16	1.13	1.130

LP GAS
(Dollars Per Gallon)

1978	.430	.430	.430	.420	.420	.420	.420	.410	.410	.400	.400	.400	.420
1979	.400	.400	.390	.390	.390	.410	.440	.450	.470	.490	.520	.550	.440
1980	.570	.600	.620	.610	.600	.610	.610	.610	.620	.610	.620	.660	.610
1981	.670	.680	.690	.700	.690	.690	.710	.700	.680	.690	.690	.690	.690
1982	.720	.710	.680	.670	.660	.670	.670	.670	.740	.760	.810	.800	.713

1/ Annual average prices are straight rather than weighted averages.

Custom Rates

The suggested custom rates provided by the University of Minnesota's Ag Extension Service in the following table have been calculated by formula from the most recent farm machinery, energy, and labor prices available. Estimated custom rates can provide reasonable estimates as a base for determining a negotiated rate between a purchaser and a supplier of custom services.

Custom rates will vary from area to area and are always a function of the demand for and the supply of those custom services. A more complete listing of machinery may be obtained from Extension Folder 590; University of Minnesota Ag Extension Service, St. Paul, MN 55108 (Phone 612-373-1145).

1983 Custom Rate Estimates for Minnesota *

Machine	Tractor HP	Cash Operating Costs 1/		Total Costs 2/		Suggested Custom Rates Per Hour 3/	
		Per Hour	Per Acre	Per Hour	Per Acre	Per Hour	Per Acre
		Dollars					
TILLAGE EQUIPMENT:							
Plow 3-16	60	6.65	3.81	22.55	12.92	26.78	15.34
Plow 4-16	75	10.29	4.42	35.71	15.35	41.94	18.03
Plow 6-16	120	16.29	4.67	49.72	14.24	58.12	16.65
Plow 8-16	160	22.02	4.73	63.19	13.59	74.17	15.94
Plow 10-18	225	29.89	4.57	85.69	13.09	100.98	15.43
Plow 12-18	275	35.13	4.47	97.31	12.39	116.20	14.79
Chisel Plow 15 Ft.	120	13.46	2.06	40.33	6.16	47.82	7.31
Chisel Plow 20 Ft.	160	18.48	2.12	52.54	6.02	61.80	7.08
Chisel Plow Wing 29	250	27.72	2.19	82.63	6.53	97.55	7.71
Chisel Plow Wing 35	300	33.28	2.18	97.91	6.41	116.11	7.60
Field Cultivator 12	75	8.30	1.37	27.07	4.47	31.13	5.14
Field Cultivator 28	160	19.26	1.42	53.12	3.91	63.74	4.69
Field Cultivator 37	225	25.32	1.41	67.31	3.75	80.79	4.50
Disk 10 Ft.	60	7.50	1.55	28.25	5.83	33.90	6.99
Disk 20 Ft.	100	14.60	1.51	53.10	5.48	63.71	6.57
Disk 24 Ft.	120	17.39	1.49	61.55	5.29	73.70	6.33
Disk 32 Ft.	160	22.94	1.48	76.42	4.93	91.50	5.90
Disk 40 Ft.	180	27.57	1.42	94.82	4.89	126.76	6.54
Disk Offset 14 Ft.	140	17.27	2.83	54.40	8.91	65.31	10.69
Disk Offset 18 Ft.	180	22.00	2.80	64.74	8.24	77.55	9.87
Disk-Wing Offset 23	225	27.60	2.75	89.81	8.95	107.54	10.72
Landplane 45-12 Ft.	180	18.76	2.93	59.61	9.31	71.54	11.18
Landplane 55-14 Ft.	225	23.15	2.89	90.62	11.33	108.75	13.59
Springtooth Drag 30	60	6.55	.41	37.40	2.34	44.88	2.80
Springtooth Drag 48	75	8.41	.28	45.13	1.49	54.13	1.79
PLANTING EQUIPMENT:							
Corn Planter 4-36	40	10.59	2.31	48.79	10.65	61.53	13.43
Corn Planter 6-30	60	14.64	2.56	62.37	10.89	80.31	14.02
Corn Planter 8-30	75	20.69	2.71	86.02	11.26	112.34	14.71
Min-Til Planter 8-36	100	25.55	3.58	101.02	14.17	137.05	19.23
Min-Til Planter 12-3	160	38.08	4.27	140.38	15.76	220.25	24.72
Min-Til Planter 4-36	60	13.30	3.73	56.25	15.78	67.43	18.92
Min-Til Planter 6-30	75	17.49	3.93	71.74	16.10	87.78	19.71
Min-Til Planter 8-30	100	24.83	4.18	97.82	16.47	119.79	20.17
Potato Planter 4-Row	120	21.28	5.56	96.43	25.18	95.36	24.90
Beet Planter 12-Row	100	22.46	4.81	98.02	12.01	117.63	25.21
Grain Drill Plow 14 Ft.	40	9.04	1.62	38.35	6.88	45.86	8.23
Grain Drill Plow 20 Ft.	75	14.80	1.86	55.00	6.91	65.88	8.27
Grain Drill Plow 28 Ft.	100	21.66	1.94	76.88	6.90	91.90	8.24
MISCELLANEOUS EQUIPMENT:							
Light Truck		9.34		20.62		26.99	
Medium Truck		14.98		30.14		40.03	
Heavy Truck		24.96		46.21		61.84	
Manure Spreader 150	75	7.66		28.64		35.62	
Manure Spreader 225	100	10.83		38.94		48.66	
Wagon	40	4.30		22.84		27.52	
Forage Wagon 14 Ft.	40	4.61		23.30		29.82	

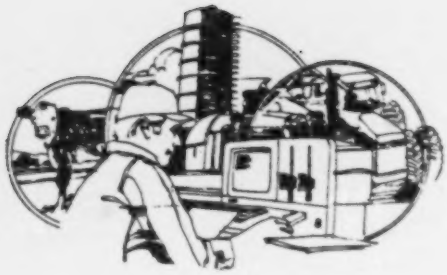
Machine	Tractor HP	Cash Operating Costs 1/		Total Costs 2/		Suggested Custom Rates Per Hour 3/	
		Per Hour	Per Acre	Per Hour	Per Acre	Per Hour	Per Acre
		Dollars					
MAINTENANCE EQUIPMENT:							
Cultivator 4-36	40	4.72	1.01	19.55	4.20	23.14	4.97
Cultivator 6-30	60	6.80	1.17	24.54	4.22	29.36	5.05
Cultivator 12-30	140	16.89	1.45	52.23	4.49	70.72	6.08
Rotary Hoe 16	40	4.69	.43	27.76	2.56	33.12	3.05
Potato Cult.4-Row	75	8.78	1.43	27.76	4.53	33.25	5.43
Beet Cult. 12-Row	100	12.08	2.01	47.42	7.90	56.90	9.48
Bt.Thinner 12-Row	120	19.25	4.58	74.28	17.69	89.13	21.22
Sprayer 30 Ft.	40	6.32	.45	29.21	2.06	35.01	2.47
Spr. Hi-Pres 50 Ft.	60	8.99	.38	33.56	1.42	40.25	1.70
Anhydrous Appl.	120	18.44	1.45	81.23	6.38	89.94	7.07
Fert. Spreader 40	60	7.11	.18	51.59	1.33	157.13	4.05
Shredder 12 Ft.	60	7.10	1.63	29.44	6.75	35.22	8.02
HARVESTING EQUIPMENT:							
Swather-Cond. 12 Ft.		6.89	1.26	38.93	7.14	46.46	8.52
Swather-Cond. 15 Ft.		7.00	1.03	40.09	5.88	47.84	7.02
Swather 18 Ft.		10.62	1.22	72.64	8.32	87.00	9.97
1 Ton Stacker	60	9.05	2.18	31.96	7.71	37.61	9.07
3 Ton Stacker	75	14.75	3.05	46.29	9.57	54.08	11.18
Baler PTO Twine	40	6.67	1.76	28.82	7.62	32.50	8.59
Round Baler 1500 Lb	60	9.50	2.05	33.15	7.15	38.63	8.33
Rotary Mower	40	4.79	1.76	28.60	6.82	22.22	8.15
Rake (HYD)	40	5.07	1.45	18.53	5.31	25.50	7.30
Forage Harv. 2 Row	100	14.78	8.93	61.19	36.98	71.03	42.93
For. Harv. 2 Row SP	--	29.66	14.56	121.34	59.59	138.27	67.90
Forage Blower Lg.	60	6.40	6.40	28.43	28.43	24.52	16.13
Corn Picker 2-38	40	9.27	6.22	39.94	26.83	50.24	33.74
Picker-Sheller 2Row	60	11.44	7.69	44.91	30.16	56.35	37.84
Combine Sm Grn	MED	35.54	7.52	87.81	18.57	103.98	22.00
Combine Soy.	MED	36.30	8.78	90.61	21.91	106.73	25.80
Comb. Corn 2-38	SML	28.87	19.39	71.42	47.96	84.13	56.50
Comb. Corn 4-36	MED	40.11	14.14	97.88	34.51	115.87	40.85
Comb. Corn 4-30	MED	39.85	15.33	97.17	37.37	115.56	44.44
Comb. Corn 8-30	LRG	50.66	10.72	122.23	25.86	144.90	30.65
Potato Harv. 2 Row	120	20.17	12.47	79.03	48.84	92.77	57.33
Beet Lifter 6 Row	120	19.72	3.79	120.12	23.10	143.25	27.55
Beet Topper 6 Row	100	15.45	2.41	74.79	11.69	89.04	13.91
Beet Wagon 8 Ton	75	7.94	2.29	37.43	10.80	44.74	12.91

1/CASH OPERATING COSTS: These costs, provided on a per-hour and per-acre basis, are estimates of the costs of fuel (diesel), oil, and repairs for the tractor and the implement as used for the particular function described. Labor cost estimates are NOT included in this figure.

2/TOTAL COSTS: Total costs provide estimates of all costs associated with carrying out the particular function. These costs include cash operating costs, labor, and overhead costs for the tractor and implement. Labor is valued at $5.90 per hour for unskilled labor and $8.40 per hour for skilled labor.

3/SUGGESTED CUSTOM RATES: The suggested custom rate values include an additional 20% over the total cost figures. This margin provides a profit to the custom operator and a return for the risk and travel expenses involved. Many times a custom operator will cover more acres annually than a commercial farmer. Therefore, for popular custom services the overhead costs may be spread over more acres and hours, thereby reducing the total costs.

*SOURCE: 1983 CUSTOM RATE ESTIMATES FOR MINNESOTA (F. Benson, Jane Jergens), Agricultural Extension Service, University of Minnesota, Extension Folder 590.



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